

Network Surveillance Server

Installation Manual	GB
設置説明書	JP
Manuel d'installation	FR
Installationsanleitung	DE
Manuale all'installazione	ΙΤ
Manual de instalación	ES
安装手册	CS

NSR Series



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- Other products or system names appearing in this document are trademarks or registered trademarks of their respective owners.

Further, the ${}^{\rm I\!R}$ or ${}^{\rm I\!R}$ symbols are not used in the text.

Before using the server, be sure to read this manual.

- Reproduction or duplication, in whole or part, of the software or operation manual supplied with the recorder, as well as renting or leasing of the software without the authorization of the right holder is prohibited under copyright law.
- Sony assumes no responsibility for damages, loss of income, or any claims from a third party arising out of use of the recorder or supplied software.
- For complete terms and conditions of the warranty for the recorder, refer to the warranty card included in the package.
- The software supplied with the recorder cannot be used with any other recorders.
- It is not possible to install any software into the equipment other than the software supplied by Sony specifically for use with the equipment.
- Note that the specifications of the recorder and supplied software are subject to change for improvement without prior notice.
- The recorder uses high security MD5 for password saving

Disclaimer of liability for recorded content

Sony Corporation does not accept any liability whatsoever for any problems arising from a failure to record, or from damage or erasure of recorded content on this equipment, for any reason. This includes claims for compensation of recorded content, and for any concomitant and consequential damages. Sony Corporation will not repair, restore, or duplicate any recorded content. Your use of this product is subject to these conditions.

Before reading this manual

Be sure to read the "Safety Regulations" supplement.

Usage Precautions

Important Information About Safety

- Be sure to connect the unit to a power source that conforms fully to the electrical specifications of this unit.
- Use only the supplied power cord. Do not coil the power cord or bundle it with other cords. Do not piggy back connections. If current ratings are exceeded, there is a risk of fire and other accidents.
- Make sure that all AC outlets and power cords are properly grounded.
- Do not use the unit with the cover or case opened or removed. Otherwise there is a risk of fire and electric shock. Do not attempt to open or remove the cover or case yourself. Always consult your supplier if opening is necessary.

Important Information About Installation

Locations for use/storage

To prolong the life of the product, avoid use or storage in the following locations.

- Locations that can become extremely hot or cold. (Be sure to use the unit that conforms fully to the specifications of this unit.)
- Locations exposed for an extended time to direct sunlight, and locations near heating appliances. (Note that the temperature in a closed car in summer can exceed +50 °C/+122 °F.)
- Locations with high levels of humidity or dust
- Locations subject to strong vibrations
- Locations subject to strong magnetic fields
- Locations in the vicinity of radio or TV transmitters creating a strong magnetic field

Do not block the ventilation openings

- The ventilation openings on the sides of the unit serve to prevent internal heat buildup. Always leave a clearance of at least 10 cm (4 inches) on both sides as well as behind and above the unit.
- Do not use the unit in a closed box or other enclosure.
- Make sure that there are no cables or other objects in the vicinity of the fan opening on the rear of the unit.
 If the opening is blocked, internal heat buildup can occur, leading to the risk of fire and damage.
- Also when the unit is installed in a rack, you must make sure that the fan opening on the rear as well as the ventilation openings on the front are not blocked by cables or other objects. Do not install the unit in an environment where the above requirements cannot be met.

Use the unit in a horizontal position

- The unit is designed to be operated in a horizontal position.
- Do not install the unit on a slanted surface, and protect the unit from shocks.
- When the unit is dropped or otherwise subject to strong shocks, it can be seriously damaged.
- When installing the unit in a rack, make sure that a horizontal position is maintained. If the unit is not properly levelled, malfunction may occur. Also, it is highly recommended to properly anchor the rack to a wall or similar, so that it cannot topple over.

Maintenance

- Before cleaning the unit or performing any other kind of maintenance, be sure to disconnect the power cord from the AC outlet.
- For cleaning, lightly wipe the cabinet and panels with a dry cloth. To remove stubborn stains, lightly moisten the cloth with a mild, neutral detergent and wipe with a dry cloth afterwards.
- Do not use cleaning alcohol, solvents, benzine, insecticide, or any other volatile substances, because these may damage the finish and lead to discoloration.
- Dust can accumulate in the ventilation openings on the front of the unit. When removing the dust, make sure that you do not subject the unit to shocks or vibrations.

Transport

Use the original packing material or similar packing to protect the unit from shocks.

Precautions for products with built-in HDD

This unit has a built-in hard disk drive (HDD). The HDD is a precision device. If subject to shock, vibration, static electricity, high temperature or humidity, data loss can occur. When installing and using the unit, closely observe the following precautions.

Protect from shocks and vibrations

When subject to shocks or vibrations, the HDD can be damaged and loss of data on the HDD can occur.

- When transporting the unit, use the specified packing material. When transporting on a dolly or similar, use a type which does not transmit excessive vibrations. Excessive shocks and vibrations can damage the HDD
- Never move the unit while it is powered. Also before removing or inserting the unit in a rack, make sure that power is off.
- Protect all HDD-equipped devices in the rack from shocks.
- Before removing or inserting the unit in a rack, make sure that power to any other HDD-equipped devices in the rack is also switched off.
- Do not remove panels or outer parts of the unit.

 When placing the unit on a floor or other surface, make sure that the unit is equipped with the specified rubber feet, and put the unit down carefully. If there are no feet, mount the rubber feet first.
 Do not place the unit near other devices that may become a source of vibrations.

Wait for 30 seconds after turning power off

For a brief interval after the power is turned off, the platters inside the HDD will still keep spinning and the heads will be in an insecure position. During this interval, the unit is more susceptible to shocks and vibrations than during normal operation. For a period of at least 30 seconds after turning power off, avoid subjecting the unit even to very light shocks. After this period, the hard disk will be fully stopped and the unit can be manipulated.

Temperature and humidity related precautions

Use and store the unit only in locations where the specified temperature and humidity ranges are not exceeded. (Be sure to use the unit that conforms fully to the specifications of this unit.)

When HDD seems to be faulty

Even if the HDD is showing signs of malfunction, be sure to observe all the above precautions. This will prevent further damage from occurring until the problem can be diagnosed and corrected.

Replacement of the HDD and other consumable parts

The HDD, fan, and battery of the unit are consumable parts that will need periodic replacement. When operating at room temperature, a normal replacement cycle will be about two to three years. However, this replacement cycle represents only a general guideline and does not imply that the life expectancy of these parts is guaranteed. For details on parts replacement, contact your dealer.

Precautions for using USB devices

- This unit supports standard USB 2.0 Mass Storage devices. Depending on the type of USB 2.0 Mass Storage device, however, errors may occur when writing data to the device. If errors occur when writing data, use a USB memory device of a different type.
- To ensure proper operation of USB devices, do not connect the devices via a USB hub. Connect the devices directly to the USB connectors on the unit. Operation is not guaranteed when devices are connected via a USB hub, USB switch, or extension cable.

Overview

The NSR series is a network surveillance server for network cameras. The NSR series allows you to monitor and record JPEG, MPEG-4, and H.264 images from network cameras via the network. It also allows you to search and play back recorded images, making the NSR a truly versatile monitoring system.

Control compatible cameras from remote locations

You can pan, tilt, and perform zoom operations of compatible cameras.

Compatible with analog cameras

You can monitor and record images from analog cameras by connecting them directly to the unit 1).

1) The NSR-1200/1100 requires an NSBK-A16/A16H (optional) expansion, while the NSR-1050H has a built-in NSBK-A16.

Large-capacity hard disks allow recording for long periods of time

Equipped with large-capacity hard disks, the unit is capable recording high-quality images for extended periods of time. For reference examples, see "Reference Data for Installation" (page 10).

Slim type (2U), space-saving 19-inch rack mounting model

With the optional rack mounting kit (sold separately), the unit can be installed in a standard universal pitch EIA 19-inch rack.

High-resolution up to 480 fps (VGA, JPEG) recording

The NSR-1200 can support up to 64 cameras, the NSR-1100 can support up to 32 cameras, and the NSR-1050H can support up to 20 cameras. The NSR-1200 records images at a total frame rate of $480 \, \mathrm{fps^{1}}$ (240 fps with the NSR-1100, 120 fps with the NSR-1050H) in VGA resolution ($640 \times 480 \, \mathrm{pixels})^2$) and JPEG image format (1 frame about 31 KB) for a crisp image quality.

- Maximum frame rate when 16 cameras are connected to the recorder. Each camera has a frame rate of approximately 30 fps. This frame rate may become less because of fragmentation on the internal hard disks. Values are based on Sony measurements. These values are not guaranteed, as performance may change due to the user's operating environment.
- 2) In QuadVGA resolution (1,280 \times 960), the frame rate is 1/4 that of VGA resolution.

High reliability

The NSR-1200 supports RAID 5¹⁾ and peforms with high reliability. The system can continue functioning even if one of the hard disks develops a malfunction. The NSR also supports uninterruptible power supplies (UPS), making them extremely reliable systems.

 RAID 5 is a system for dividing and storing data and parity (error correcting codes) onto more than one hard disk drive. Although this system allows continued operation should one of the hard disks malfunction, it does not guarantee restoration of lost data. In addition, due to high internal processing loads during reconstruction after you replace the malfunctioned hard disk, the unit may not be able to record images at the configured recording rate while reconstruction is in progress.

Other features

- Custom layout support allows you to display images in a variety of different layouts in addition to standard 2 × 2 and 3 × 3 layouts.
- The NSR is capable of manual, scheduled, and alarm recording, among others.
- The NSR is equipped with a motion detection function via the recorder¹⁾ (Video Motion Detection (Recorder)).
- Run searches for recorded images by camera name, date, alarm, and other methods.
- Create privacy zones by using the dynamic masking functions²⁾. Dynamic masking covers pan, tilt, and zoom.
- Precise alarm processing is made possible by performing the various types of filtering³⁾ that use the image processing results sent from the camera in the form of object information metadata. Because filtering can be applied to metadata that has already been recorded, you can also search for areas of interest after recording is finished.
- Audio recording and playback⁴⁾ are also supported from compatible cameras.
- 1) Some functions are limited depending on the number of cameras connected.
- 2) Some functions are limited depending on which camera models are connected.
- 3) To perform motion detection and object detection using metadata, a camera that supports motion detection by metadata is required. We do not recommend using metadata with more than 32 cameras.
- 4) Optional audio amplifiers or speakers are required.

Important

This manual only describes how to install and configure the NSR. For detailed explanations on how to use the unit, refer to the User's Guide (PDF).

System Requirements

The hardware required in order to use this recorder are as follows.

- Sony Network cameras
 Contact your dealer for details about compatible Sony network cameras.
- Monitor¹⁾
- USB keyboard²⁾
- USB mouse³⁾
- USB remote controller⁴⁾
- · Network switch
- 1000Base-T/100Base-TX/10Base-T cable
- USB memory device⁵⁾
- This unit supports HDMI-compatible devices and computer displays that support RGB input. The following resolutions can be specified.
 - Full High-Definition $(1,920 \times 1,080)$
 - WUXGA $(1,920 \times 1,200)$
 - Full Wide XGA $(1,360 \times 768)$
 - UXGA $(1,600 \times 1,200)$
 - SXGA $(1,280 \times 1,024)$
 - XGA $(1,024 \times 768)$
- 2) Use a USB keyboard with a cable. However, keys other than the standard may not function. Wireless or infrared USB keyboards may also not function properly.
- 3) Use a USB mouse with a cable. However, three-button or wheel mice may not function properly. Wireless or infrared USB mice may also not function properly.
- 4) You can use a remote controller to control pan, tilt, and zoom operations for cameras.
 - This unit supports RM-NS1000 system controller and IP Desktop USB controllers from CH Products. Other remote controllers are not supported. Do not connect more than one remote controller.
- 5) Required when backing up system information such as logs.
 - This unit supports standard USB 2.0 Mass Storage devices. Depending on the type of USB 2.0 Mass Storage device, however, errors may occur when writing data to the device. If errors occur when writing data, use a USB memory device of a different type.

Package Contents

Check that the following items are included in this package:

NSR-1200/1100

- NSR-1200/1100 (1)
- Front panel key (2)
- Installation Manual (this document) (1)
- First Step Guide (1)
- Monitoring Window Operations Guide (1)
- Safety Regulations (1)
- WEEE booklet (1)
- Warranty booklet (1)
- Rubber feet (4)

NSR-1050H

- NSR-1050H (1)
- Front panel key (2)
- Analog camera input cable (1)
- Installation Manual (this document) (1)
- First Step Guide (1)
- Monitoring Window Operations Guide (1)
- Safety Regulations (1)
- WEEE booklet (1)
- Warranty booklet (1)
- Rubber feet (4)

Notes

- This package may contain additional hardware and/or documentation for those options.
- Save the boxes and packing materials for future use.
- The rack mounting kit (NSR-RM1) and the system controller (RM-NS1000) are optional (sold separately).

Downloading Files Stored on the NSR

Documents, such as operating manuals, and tools are stored on the NSR unit. Perform the following to download files stored on the NSR unit.

- 1 Use an FTP client such as Internet Explorer to specify the following URL on your computer. ftp://ftptool@<NSR IP address>
- **2** Enter the following user name and password.

User name: ftptool Password: ftptool

Note

To change the user name and password, change the [Enable user to Get Tools from Remote] configuration in "FTP" of the Setup Menu. In addition, if you change the user name, you must also change the address that follows "ftp://" in the specified URL to the new "user name@<NSR IP address>."

The following folders and files appear in the FTP client.

3 Click the folders that contain the files you desire.

Folder

Manual: Contains operating manuals (PDF). SourceCode: Contains GPL/LGPL source code

and other such data.

Tool: Contains RealShot Manager

Advanced and Media File Player.

File

README.txt: Contains information on each

folder.

The files contained in each folder are displayed.

4 Click the files you desire to download them.

Using the PDF Manual

The NSR stores operation manuals and other documents (Japanese, English, French, German, Italian, Spanish, Simplified Chinese and Russian versions).

The copies of these manuals are created in pdf (Portable Document Format).

Preparations

The following software must be installed on your computer in order to use the operation manuals stored on the NSR.

• Adobe Reader Version 6.0 or higher

Note

If Adobe Reader is not installed, you can download it from the following URL: http://www.adobe.com/

Adobe and Adobe Reader are trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Viewing PDF Manuals

- 1 Refer to "Downloading Files Stored on the NSR," and download the manual for your language from the "Manual" folder on the NSR.
- **2** Double-click the downloaded file.

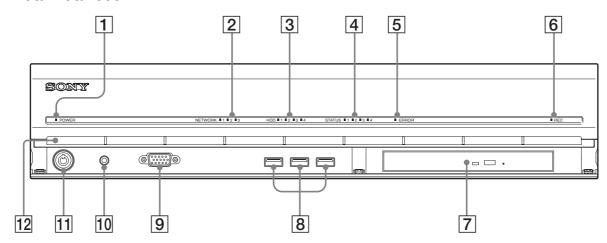
Note

Depending on the version of Adobe Reader you are using, the file may not display properly. If the file does not display properly, download the latest version of Adobe Reader from the URL found in the "Preparations" section.

Features and Functions

Front (When the Cover is Opened)

NSR-1200/1100/1050H



1 Power LED

Lights green when the unit is turned on. Lights amber when it is on standby.

2 Network LED (1 to 3)

Lights green when there is activity at the corresponding LAN connector at the rear of the NSR.

3 HDD LED

Blinks green when the internal hard disks are accessed. Lights amber when an error occurs with a hard disk.

4 Status LED (1 to 4)

Lights in sequence (1, 2, 3, 4) when the NSR starts. When an error occurs, the corresponding status LED lights together with the error LED, which lights or blinks to indicate the type of error.

For details, see "STATUS LED" (page 31).

5 Error LED

Lights or blinks when an error occurs.

6 REC LED

Lights when recording images.

7 DVD/CD drive

Use this drive to write data from the NSR hard disks to DVD and CD.

8 USB connector

Use this connector to connect a USB keyboard, mouse, USB flash memory, or system controller (RM-NS1000) to the NSR.

9 Monitor connector 1

Use this connector to connect a monitor.

Monitor connector 1 (and monitor connector 1 on the rear of the unit) and HDMI monitor connector 1 on the rear of the unit cannot be used at the same time.

10 Power switch

Press this to turn on the unit. (You cannot turn off the unit with this switch.)

11 Lock

Use this in conjunction with the supplied front panel key to lock the front bezel. When the front bezel is locked, you cannot pull out the front bezel. Also, do not lock the front bezel when the front bezel is pulled out. You can distinguish the locked position from the unlocked position by looking at the lock, as illustrated below.

The front bezel is locked

The front bezel is unlocked





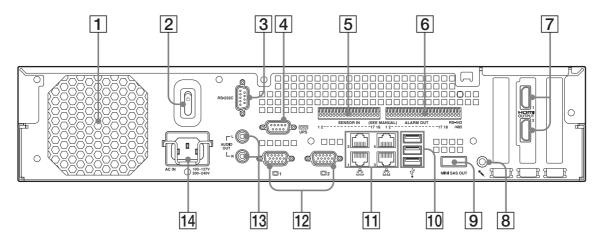
12 Vent holes

These openings allow air to flow from the front of the NSR to the rear.

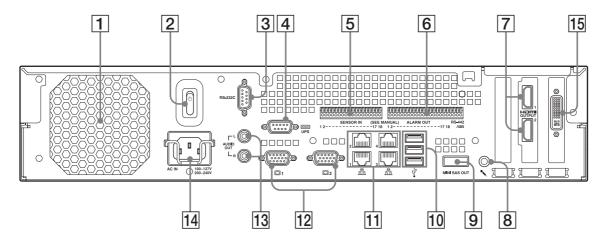
Do not block the vent holes, allow dust to accumulate in the inner mesh of the vent holes, or obstruct the airflow in any way. Obstructing the airflow allows heat to build up inside the NSR and may result in fire or damage.

Rear

NSR-1200/1100



NSR-1050H



1 Fan

Take care not to obstruct the fan grille. If the grille is obstructed, heat may build up in the unit, leading to damage and/or fire.

2 Power switch

Press the switch in the (1) position to turn on the unit.

3 RS-232C Connector

Use this connector to control analog cameras. This connector cannot be used at the same time as the RS-422/485 connector (four rightmost pins on **6** alarm output connector).

4 UPS connector (RS-232C)

Use this connector to connect the control line of the uninterruptible power supply (UPS).

5 Sensor input connector

Use this connector to connect the sensor input lines. For connection details and wiring diagrams for sensor inputs, see "I/O Port" (page 32).

6 Alarm output connector

Use this connector to connect the alarm output lines. For connection details and a wiring diagram for alarm output, see "I/O Port" (page 32).

7 HDMI monitor connectors (1 and 2)

Use these connectors to connect monitors that support HDMI input.

HDMI monitor connector 1 and 12 monitor connector 1 (and monitor connector 1 on the front of the unit) cannot be used at the same time, while HDMI monitor connector 2 and 12 monitor connector 2 cannot be used at the same time.

8 Audio input connector

Use this connector to input audio from a peripheral audio device, such as a microphone.

Plug-In Power microphones are supported.

9 Mini-SAS output connector

Use this connector to connect the mini-SAS cable used for connecting an NSRE-S200.

The NSRE-S200 is an optional expansion storage unit.

10 USB connector

Use this connector to connect a USB keyboard, mouse, USB flash memory, or system controller (RM-NS1000) to the NSR.

11 LAN connectors (1 to 4)

Use these connectors to connect 10 Base-T, 100 Base-TX, or 1000 Base-T network cables.

LAN1: Network cameras¹⁾

LAN2: Network cameras¹⁾ (LAN2 can only be used when using a different segment from LAN1.)

 Connect remote clients to the network specified with the [Network Interface for Remote Client] setting (either LAN1 or LAN2) in the Server Configuration screen. For details, refer to the User's Guide (PDF).

LAN3: Used for iSCSI storage²⁾ **LAN4:** Used for iSCSI storage²⁾

For details on using iSCSI storage, contact your Sony dealer.

Caution

Do not configure LAN connectors 1 to 3 to the same network segment.

12 Monitor connectors (1 and 2)

Use these connectors to connect a monitor.

Monitor connector 1 (and monitor connector 1 on the front of the unit) and 7 HDMI monitor connector 1 cannot be used at the same time, while monitor connector 2 and 7 HDMI monitor connector 2 cannot be used at the same time.

13 Audio output connectors (L and R)

Use these connectors to output audio to a peripheral audio device.

14 Power supply connector

Use this connector to connect the power cord.

15 Analog camera cable input connector

Use this connector to connect analog cameras via the analog camera input cable.

The NSR-1050H is standard equipped with this connector, but the NSR-1200/1100 requires an NSBK-A16/A16H (optional) expansion.

Reference Data for Installation

Current Consumption and Inrush Current

Model	AC input voltage	Full loading	Inrush current
NSD 1200	100 V	2.66 A	
NSR-1200	220 V	1.14 A	_
NSR-1100	100 V	1.84 A	_
	220 V	0.79 A	– – 13 A
NSR-1050H	100 V	1.75 A	- 13 A
	220 V	0.76 A	_
NSRE-S200	100 V	0.79 A	=
	220 V	0.34 A	_

Storage Capacity for Recorded Data

You can confirm the configurations and the hard disk drive capacity of the NSR-1200/1100/1050H and optional expansion storage¹⁾ by clicking [Information] in the NSR-1000 series logon screen, and viewing the Information screen that appears. You can also confirm the actual storage capacity²⁾ to which data can be recorded in the [Storage] tab of the Server screen.

- 1) Capacities for hard disk drives are approximations based on the following equation for 1 GB: $1,000 \times 1,000 \times 1,000 = 1,000,000,000$ bytes
- 2) Storage capacities are approximations based on the following equation for 1 GB: $1,024 \times 1,024 \times 1,024 = 1,073,740,000$ bytes

Number of Cameras

Maximum number of cameras

Model	Maximum number of cameras	
NSR-1200	64	
NSR-1100	32	
NSR-1050H	20	

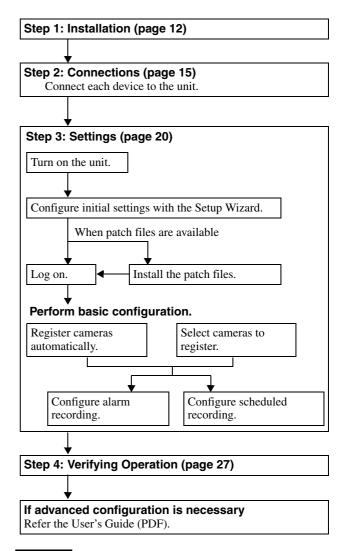
Maximum number of analog cameras (included in total number of cameras)

Model	Maximum number of analog cameras
NSR-1200	16 (with optional NSBK-A16/A16H)
NSR-1100	16 (with optional NSBK-A16/A16H)
NSR-1050H	16

Maximum number of audio channels

Model	Maximum number of audio channels
NSR-1200	64
NSR-1100	32
NSR-1050H	20

Preparation Steps



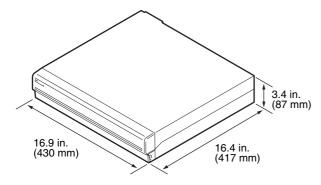
Caution

Patch files are distributed by Sony as more NSR-compatible cameras and functions are added. Contact your Sony dealer for details. For details on installling the patch files, see "Installing Patch Files" (page 28).

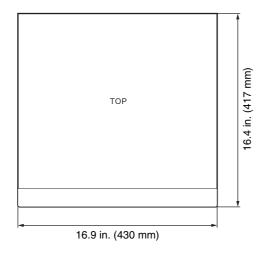
Step 1: Installation

Before setting up, be sure that the location for installation provides sufficient space and strength to support the unit.

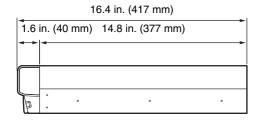
The NSR-1200 weighs approx. 13.5 kg (29.8 lb.), the NSR-1100 weighs approx. 12 kg (26.7 lb.), and the NSR-1050H weighs approx. 11.5 kg (25.4 lb.). The dimensions for the unit are as follows.



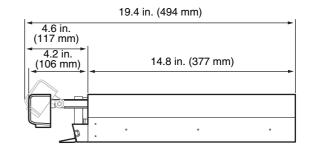
Top

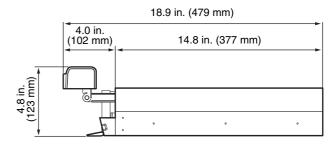


When the front bezel is closed



When the front bezel is opened

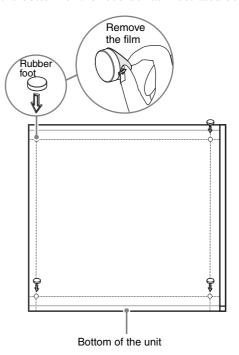




You can install the unit on a rack using the optional rack mounting kit.

Installation Without a Rack

Attach the provided rubber feet to the recorder. Place the recorder upright so that the bottom surface is visible. Then affix the adhesive surfaces of the rubber feet on the bottom of the recorder as illustrated below.



Rack Mount Installation

Install the NSR in a rack using the optional rack mounting kit (sold separately).

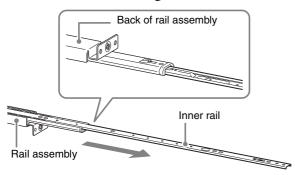
Warning

- Do not use a rack mounting kit other than the optional mounting kit (sold separately) for the NSR, as doing so is dangerous and may result in fire, shock, or injury.
- If you mount the NSR in a rack, make sure not to place heavy object on it.
- Before mounting the NSR in a rack, we recommend that you mark its intended position in the rack with a felt-tip pen. Mounting the NSR in the rack other than horizontally could result in malfunctions.
- To order a rack mounting kit, contact your retailer.

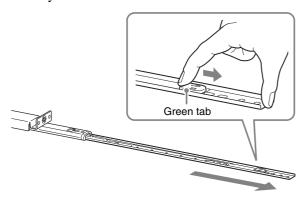
Pulling Out the Inner Rails

Pull out the inner rails from the rail assemblies.

1 Pull out the inner rail from one of the rail assemblies as far as it can go.



2 Turn the rail assembly over. As you pull the green tab outward to release the lock, pull the inner rail all the way out.



Repeat the same procedure with the other rail assembly to pull out its inner rail.

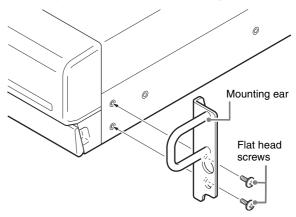
Note

The inner rail will be installed on the NSR, while the rail assembly will be installed on the rack.

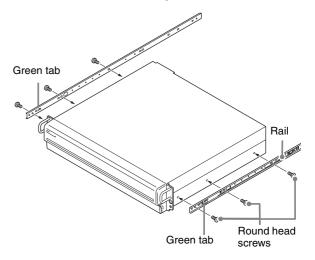
Preparing the NSR

Use the supplied fasteners and screws to install the inner rail on the NSR.

1 Use the supplied flat head screws to attach the mounting ears to the front of the side panel.



2 Use the remaining supplied round head screws to install the rails to the NSR, as illustrated.



Caution

Using screws other than the supplied screws may damage the unit. Be sure to use the supplied screws to install the rails.

Preparing the Rack

Install the rails on the rack.

1 Determine where you want to install the rails on the rack.

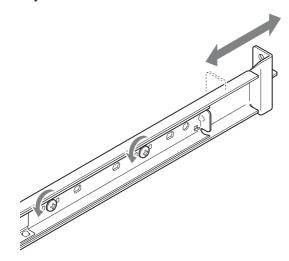
We recommend marking this position with a marker or felt tip pen.

Caution

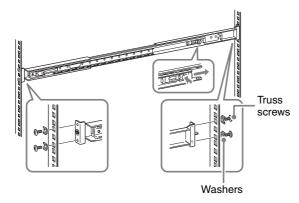
Rails installed at different heights could result in NSR malfunctions.

2 Install the rails on the rack.

(1) Adjust the length of the rails to match the length of your rack.



(2) Use the supplied truss screws and washers to secure both ends of the rails to the rack.



Mounting the NSR on the Rack

Insert the NSR into the rack, and then secure it.

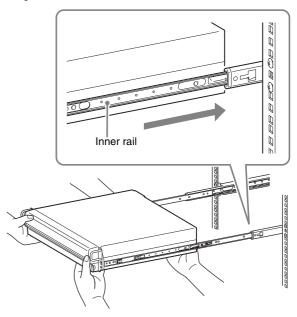
Caution

At least two people are needed in order to handle the unit to prevent personal injury.

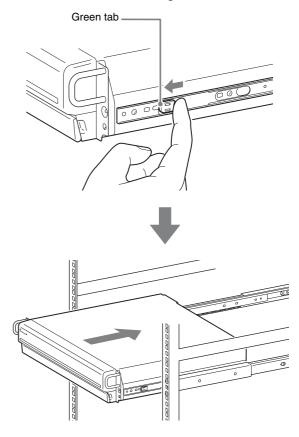
1 Pull the sliding rails from the rail assemblies.



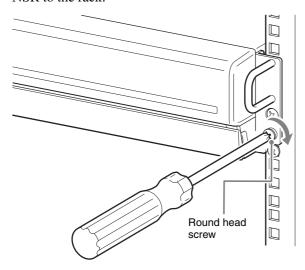
2 Lift the NSR, fit the inner rails into the slide rail grooves (white), and then slide the assembly until it stops.



3 As you pull the green tab inward to release the lock, slide the NSR as far as it can go.



4 Use the supplied round head screws to secure the NSR to the rack.



Installing Optional Accessories

For details on installing an NSRE-S200, refer to the operating instructions supplied with the NSRE-S200. For details on installing an NSBK-A16/A16H, contact your Sony dealer.

Step 2: Connections

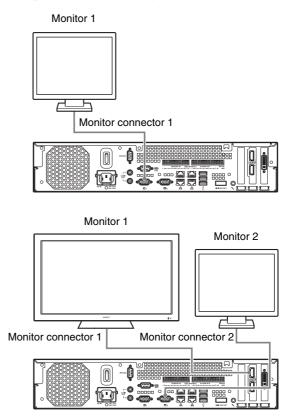
Connect each device to the unit.

Connecting a Monitor

When connecting one monitor, connect it to analog RGB monitor connector 1 or HDMI monitor connector 1. When connecting a second monitor, connect it to analog RGB monitor connector 2 or HDMI monitor connector 2

For details, see "Monitor Connection Examples" (page 29).

Example) When connecting to rear monitor connectors



Recommended connector use while operating the unit

Monitor		Connectors to use			
		HDMI monitor connector 1	HDMI monitor connector 2	Analog RGB monitor connector 1	Analog RGB monitor connector 2
One monitor	HDMI monitor	0	-	-	-
	Analog RGB monitor	_	_	0	-
Two monitors	HDMI monitor × 2	0	0	=	_
	Analog RGB monitor × 2	_	_	0	0
HDMI monitor and Analog	0	_	-	0	
RGB monitor		_	0	0	=

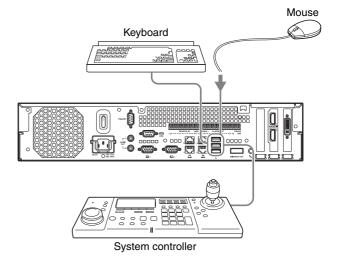
Notes

- There are three monitor connectors labeled "1" (analog RGB ×2; HDMI ×1) and two monitor connectors labeled "2" (analog RGB ×1; HDMI ×1), but only one of each (1 and 2) can be used at any one time.
- Do not turn on the unit while monitors are connected to analog RGB monitor connector 1 on both the front and rear of the unit.
- When operating the unit with only one analog RGB monitor, do not connect the monitor to analog RGB monitor connector 1 on the front of the unit while the unit is turned on.
- When connecting two analog RGB monitors, do not use the HDMI monitor connectors.
- When using HDMI monitors, be sure to connect the HDMI monitor and turn it on before turning on the unit.
- When an HDMI monitor is connected to HDMI monitor connector 2, the reboot and shutdown screens are only displayed on monitor 2.
- Do not connect a monitor to HDMI monitor connector 1 when using analog RGB monitor connector 1 on the front of the unit.
- When monitors are connected via a monitor switch, images may not always display. We recommend connecting monitors directly to the unit.

Connecting the Keyboard, Mouse and System Controller

Connect the devices to the USB connectors on the front and rear of the unit.

Example) When connecting to the USB connectors on the rear

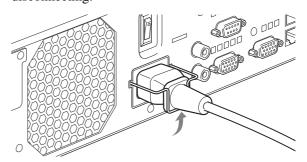


Notes

- This unit supports RM-NS1000 system controller and IP Desktop USB controllers from CH Products. Other remote controllers are not supported. Do not connect more than one remote controller.
- When using USB devices, be sure to read "Precautions for using USB devices" (page 4) in the "Usage Precautions" section beforehand.

Connecting the Power Cord

Connect the power cord to the power supply connector. Attach the safety clip to prevent the power cord from disconnecting.



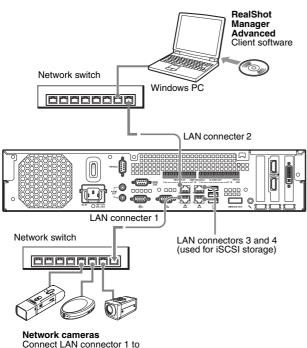
Caution

- Before installing, carefully read "Important Information About Safety" (page 3). When using the unit in combination with multiple NSR units or an optional NSRE-S200, make sure that the power supply is sufficient.
- For details on the current consumption and inrush current for the NSR-1200/1100/1050H and NSRE-S200, see "Reference Data for Installation" (page 10).

Connecting to a Network

Connect to the network as follows.

Remote client Connect LAN connector to the same network as the Windows PC being used as the remote client.



Connections to remote clients

the same network as the

When a remote client is necessary, you can use the RealShot Manager Advanced client software supplied with this unit.

- Use the version of RealShot Manager Advanced supplied with this unit. For details on how to download the installer for RealShot Manager Advanced, see "Downloading Files Stored on the NSR" (page 6). For details on installation and connecting to the NSR, refer to the RealShot Manager Advanced Installation Guide (PDF).
- RealShot Manager Advanced client software operates on Windows computers. For details on recommended system specifications, refer to the release notes included in the install archive for RealShot Manager Advanced client software.

- When using RealShot Manager Advanced as a remote controller for the NSR, select [Client] during installation of RealShot Manager Advanced.
- When connecting to the user area network, use LAN connector 2.
- For details on NSR settings when using the RealShot Manager Advanced client software, see
 "Configurations for Using RealShot Manager Advanced Client Software" (page 27).

LAN connectors 3 and 4 (used for iSCSI storage)

As LAN connectors 3 and 4 are channel bonded for network redundancy, only one IP address can be assigned for both connectors.

Caution

Do not use iSCSI storage in conjunction with an NSRE-S200.

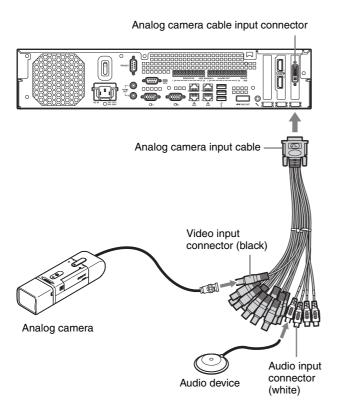
Notes

- The default IP addresses for this unit are as follows.
 - LAN connector 1: 192.168.0.1
 - LAN connector 2: 192.168.1.1
 - LAN connector 3: 192.168.2.1
 - LAN connector 4: 192.168.2.1
- If you want to change the default IP addresses, refer to the User's Guide (PDF).

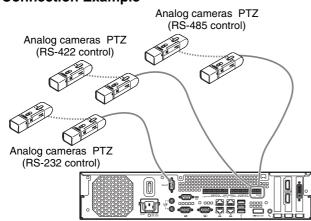
Connecting an Analog Camera

Connect the analog camera using the supplied analog camera input cable.

To control pan, tilt, and zoom operations, connect a camera control cable to the RS-232C connector or the RS-422/485 connector (four rightmost pins on the alarm output connector). (Only one of these connectors (RS-232C, RS-422, RS-485) can be used at any one time.)



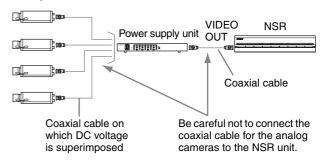
Connection Example



Caution

When using cameras and power supply units that superimpose DC voltage on the video coaxial cable, pay close attention to the coaxial cable wiring. If the camera cable on which DC voltage is superimposed is connected to the NSR, malfunctions may occur.

Analog cameras



Notes

- The NSR-1050H is standard equipped with the analog camera cable input connector, but the NSR-1200/1100 requires an NSBK-A16/A16H (optional) expansion.
- When using pan, tilt, and zoom operations, you must configure a unique control number. For details on configuring control numbers, refer to the operating instructions for the analog camera.
- For details on the pin assignment for the RS-422/485 connector, see "Pin Assignment of I/O Port" (page 32).

Connecting an NSRE-S200

Use the mini-SAS cable supplied with the optional NSRE-S200 to connect the NSR-1200/1100/1050H to the NSRE-S200 as follows.

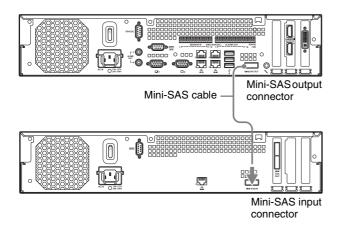
You can connect up to seven NSRE-S200 units to the NSR-1200/1100/1050H.

For details on connection configurations, see "NSRE-S200 Connection Example" (page 30).

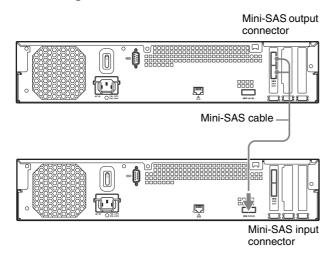
Note

Be sure to connect the NSR-1200/1100/1050H and the NSRE-S200 before turning on the power.

Connecting the NSR-1200/1100/1050H to the NSRE-S200



Connecting two NSRE-S200 units



Caution

- Do not use an NSRE-S200 in conjunction with iSCSI storage.
- Be sure to connect the mini-SAS cables securely, so they will not disconnect. If a mini-SAS cable disconnects during unit operation, recording errors may occur. Always turn off the units before connecting or disconnecting the mini-SAS cables.

Connecting Other Devices

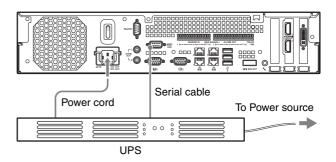
Connecting Sensor Inputs and Alarm Outputs

Connect the wires to the sensor input connector and the alarm output connector.

For details, see "I/O Port" (page 32).

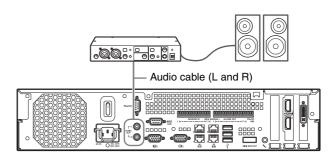
Connecting an Uninterruptible Power Supply (UPS)

- **1** Connect the UPS to the power outlet.
- **2** Connect the NSR to the UPS with the supplied power cord.
- **3** Connect the NSR to the UPS with the dedicated serial cable to the serial connector on the rear of the NSR.



Connecting an Audio Output Device

Connect the audio output device to the audio output connectors (L and R).



Step 3: Settings

This section provides information on how to turn on the unit, and general explanations on how to register cameras and other devices.

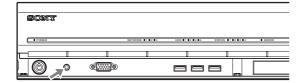
Turning On the Unit

When you press the power switch on the front or rear of the unit, the unit will turn on. When an optional NSRE-S200 is connected, wait until the NSRE-S200 has turned on before turning on this unit.

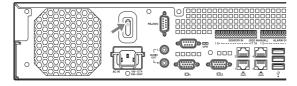
Caution

Take the inrush current into consideration when configuring power connections for systems that include multiple NSR units or an NSRE-S200 unit. For details on the inrush current, see "Reference Data for Installation" (page 10).

Front power switch



Rear power switch



The power LED on the front panel is lit green when the unit is turned on.

When you turn on the unit for the first time, the Setup Wizard starts automatically.

Continue to the following section, "Configuring Initial Settings with Setup Wizard."

Notes

- The fan noise may be loud for about 2 seconds after turning on the unit. This is not a malfunction.
- If the unit was shut down through system operations, press the power button on the front panel or the power switch on the rear panel to turn on the unit.
- If a forced shutdown was performed previously, the unit may take longer to start up.

To turn off the unit

After logging on to NSR, click at the top of the "Main" screen, and select [Shutdown] from the menu that appears.

Note

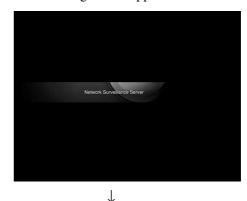
Normally, the unit turns off after a few minutes. If the unit does not turn off after a few minutes, force shutdown by pressing the power switch on the rear panel of the unit in the (b) position for at least 5 seconds.

Configuring Initial Settings with Setup Wizard

This section explains the general flow of the Setup Wizard. For further details on settings, refer to "Changing Initial Settings with the Setup Menu" in the User's Guide (PDF).

The Setup Wizard starts automatically when you turn on the unit for the first time. You can configure the same settings afterward by accessing the logon screen, the Administration Menu, and then the Setup Menu. For details, refer to "To access the Setup Menu from the logon screen" (page 24).

When you turn on the unit, the Setup Wizard starts after the following screen appears.



Click [Next].



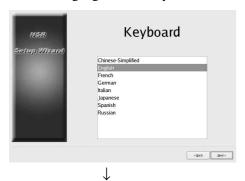
Read the user license agreement carefully, click [Accept], and then click [Next].



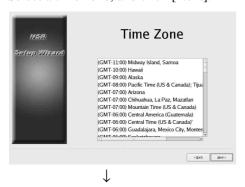
Select a display language, and click [Next].



Select a language for the keyboard, and click [Next].



Select a time zone, and click [Next].

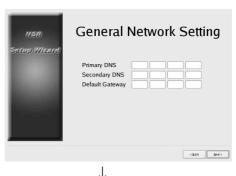


Set the date and time, and click [Next].

- When you select the [Enable NTP Server] check box, the unit acts as the NTP server for date and time synchronization.
- When you select the [Synchronize with NTP Server] check box, you can synchronize the date and time with a different NTP server.
- If the date and time cannot be synchronized with the Windows server as the NTP server, you can select the [Synchronize with Windows Server] check box to force synchronization with the Windows NTP server.



Set the IP address for each server, and click [Next].



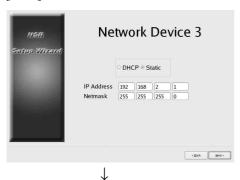
Set the IP address for LAN connector 1, and click [Next].



Set the IP address for LAN connector 2, and click [Next].



Set the IP address for LAN connector 3, and click [Next].



Configure settings for monitor 1, and click [Next].

- If you select [Auto], the type of monitor connected and its resolution are detected and configured automatically.
 - For details on supported resolutions, see "System Requirements" (page 5).
- When connecting two monitors to the unit, select the [Dual Head] check box.



Note

When an HDMI monitor is connected, the image may be compressed to fit the screen and text may appear blurry, even if you adjust the resolution of the monitor and the resolution of the image data to match. You may be able to improve the image quality by selecting the [Dot By Dot] check box so that each pixel of image data is displayed as one dot on the monitor, without expansion or compression processes. You may also need to configure settings on the monitor side. Refer to the operating instructions for your monitor.

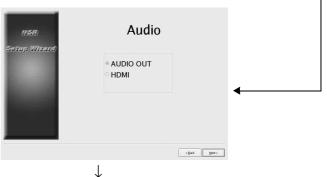


If connecting a second monitor, configure settings for monitor 2.

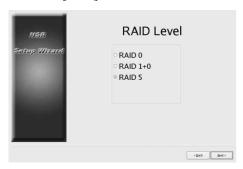
After configuring settings for the second monitor, restart the unit while the second monitor is connected



Select the audio output connector to use, and click [Next].



Select the RAID type for the internal hard disk drive, and click [Next].



Note

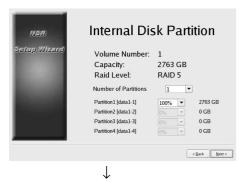
This screen only appears for models that support RAID level modification.

Caution

If you change the RAID level, the RAID will be restructured after the wizard is completed. RAID restructuring may take a few hours depending on the selected level and capacity.

Configure partitions for the internal hard disk drive, and click [Next].

Specify the number of partitions, and select the percentage of total the capacity to assign each partition.



Set the server name, and click [Next].



Configure analog camera connection settings, and click [Next].

Select the serial connector standard to which the camera you want to control will be connected, and configure settings such as baud rate and parity bits.

(This screen only appears when an NSR-1050H or NSBK-A16/A16H (optional) is connected.)

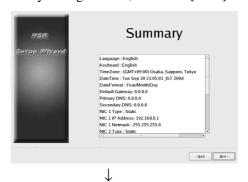


Select the video format for the analog cameras to be connected, and click [Next].

(This screen only appears when an NSR-1050H or NSBK-A16/A16H (optional) is connected.)



Verify configurations, and click [Next].



Click [Finish] when the restart confirmation message appears.



The unit restarts.

 \downarrow

The logon screen appears.

Continue to the following section, "Logging On."

To access the Setup Menu from the logon screen





When patch files are available

You can install patch files distributed by Sony onto the NSR.

Patch files are distributed by Sony as more NSR-compatible cameras and functions are added. We recommend installing these patch files to operate the NSR using the most up to date software.

For details on installing the patch files, see "Installing Patch Files" (page 28).

Logging On

Enter the user name and password, and click [Logon].

Default user name: admin Default password: admin



When logon is successful, the Automatic Camera Registration dialog appears.

Continue to the following section, "Performing Basic Configuration."

Performing Basic Configuration

This section describes how to register and configure alarm recording for devices that are automatically detected. For details on how to register all automatically detected devices at once, refer to the First Step Guide (separate document).

To register a camera

Select [Open multiple camera registration window], and click [OK].

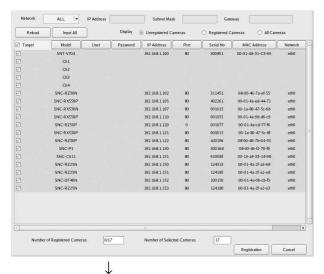


Devices on the same network segment are automatically detected.

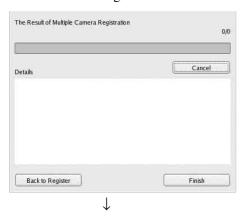
 \downarrow

Select the check boxes for the cameras you want to register, and click [Register].

For further details on settings, refer to "Registering Devices" in the User's Guide (PDF).

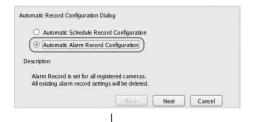


The cameras are registered.

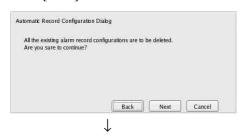


To configure alarm recording

Select [Automatic Alarm Record], and click [Next].



A confirmation screen appears. Click [Next].



Verify configurations, and click [Finish].



Alarm recording starts.

When configuration is complete, the "Main" screen appears.



After performing basic configuration, the values for each setting will be as follows.

Setting	Scheduled recording	Alarm recording
Image size	Maximum image size supported by the camera. 1)	Depends on the Alarm/ Event Record settings configured in the [Video] tab.
Codec	Depends on the Schedule Record settings configured in the [Video] tab.	Depends on the Alarm/ Event Record settings configured in the [Video] tab.
Frame rate	Depends on storage duration for recorded data. 1)	Depends on the Alarm/ Event Record settings configured in the [Video] tab.
Quality	50% ¹⁾ Level 3 (cameras with 5 level settings) Level 5 (cameras with 10 level settings)	Depends on the Alarm/ Event Record settings configured in the [Video] tab.
Bitrate	Depends on storage duration for recorded data. 1)	Depends on the Alarm/ Event Record settings configured in the [Video] tab.
Recording trigger	-	VMD (Camera) VMD (Recorder) if the camera is not supported. JPEG: Standard mode MPEG4, H.264: High-performance mode

Setting	Scheduled recording	Alarm recording
Data storage location	Not changed from existing configuration. ²⁾	Not changed from existing configuration. ²⁾
Audio	Depends on the settings configured in the [Audio] tab.	Depends on the settings configured in the [Audio] tab.
Data overwrite	Not changed from existing configuration.	Not changed from existing configuration.
Cleanup	Deletes data that exceeds storage duration.	Not changed from existing configuration.

- Depending on the camera model, the values configured for the Schedule Record settings in the [Video] tab may be used.
- 2) If the user has not configured storage location settings for the camera, the capacity on the first partition of the unit's internal hard disk is used to calculate other settings. If the user has configured storage location settings, the capacities for each of the locations are used to calculate other settings.

Caution

- If schedule recording and alarm recording settings already exist when you execute "automatic record," the automatic configurations replace the previous settings.
- When you change the camera storage locations, the settings are not changed automatically. You can perform basic configuration again to recalculate the settings.

Settings that Require Individual Configuration

Further configuration is required in the following cases.

Storage location settings

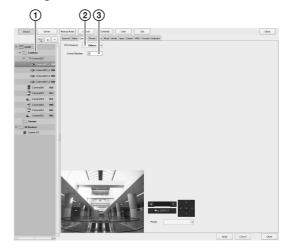
Under basic configuration settings, data is stored on the first partition of the unit's internal hard disk. For details on recording data to an optional NSRE-S200 unit or to other partitions, refer to the User's Guide (PDF).

When constructing systems that include multiple NSR units or RealShot Manager Advanced servers

When configuring multiple servers, individual configuration is required. For details, refer to the User's Guide (PDF).

Pan, tilt, and zoom settings for analog cameras

Configure pan, tilt, and zoom settings for analog cameras as follows from the [Control] tab of Device Configuration.



- ① Select the analog camera.
- ② Select a protocol based on the analog camera's settings.
- 3 Enter the control number configured on the selected analog camera.

Note

To configure these settings, you must configure the transmission mode in the "Serial Port" settings of the Setup Wizard beforehand.

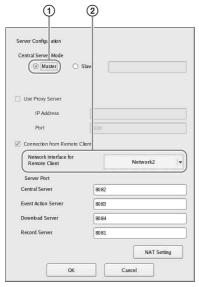
Audio settings for cameras

Under basic configuration settings, audio is disabled. For details on enabling audio, refer to the User's Guide (PDF).

Configurations for Using RealShot Manager Advanced Client Software

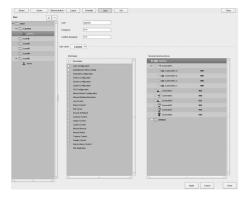
Configure the following settings on the NSR unit that will act as the master server. For details on the settings, refer to the User's Guide (PDF).

1 Configure the following settings in the Server Configuration screen of the Administration Menu.



- ① Select [Master] under [Central Server Mode].
- ② Select the network interface for connection in [Network Interface for Remote Client Connection] under [Connect from Remote Client].
- **2** Create a user in the master server.

 Click (add) in the User Configuration screen, and create a user.



Step 4: Verifying Operation

After basic configurations are finished, make sure that camera images are displayed in the "Main" screen and verify other such operations.



- Change the layout and display images from registered cameras.
 Drag and drop a camera from the Cameras pane to
 - a monitor frame to display images from that camera.
- ② Click a monitor frame to activate it (light blue frame), and control pan, tilt, and zoom from the [Control] tab of the Camera Control pane.
- ② Capture a moving object with the camera, and confirm that an alarm occurs.

 When alarm recording has been configured through basic configuration, a red frame surrounds the monitor frame, and a record of each alarm is displayed in the Alarm History at the bottom of the screen.
- Refer to the Monitoring Window Operations Guide (separate document) for details on operating each function.
- (5) Click [PLAYBACK] to play back recordings. When you click [PLAYBACK], images from a previously configured time will be played back (quick playback).
 - When you enter a date and time and click [GO], recorded images will be played back.
- © Click the [ERROR] lamp at the bottom right of the screen to confirm whether errors have occurred. As the System Log appears when you click the [ERROR] lamp, you can confirm whether problems have occurred by viewing the log.

For details on "Main" screen operations, refer to the Monitoring Window Operations Guide (separate document) or the User's Guide (PDF).

Caution

When you connect a USB device to the unit, the [ERROR] lamp at the bottom right of the "Main" screen may light. This indicates that the unit may not support the USB device. For details see "Usage Precautions" (page 3) or "An external device connected to a USB connector does not work." (page 34) in the "Troubleshooting" section.

When Using RealShot Manager Advanced as a Remote Client

Perform the following to confirm operations.

- **1** Log on to RealShot Manager Advanced.
 - Specify the server during logon. Specify the central server value configured on the server for the port.

The default value is "8082."

If the IP address of the server is "192.168.1.1," specify "192.168.1.1:8082" as shown below.

• Enter the user name and password configured in the Server Configuration screen (page 27) for the [User Name] and [Password].



2 In the main screen of RealShot Manager Advanced, assign images to monitor frames from cameras connected to the unit.

Two methods are available for assigning cameras.

- Drag and drop a camera connected to the unit from the Cameras pane to a monitor frame.
- Click a monitor frame to select it, and then double-click a camera from the Cameras pane.
- **3** Confirm that images from the camera selected in step 2 appear in the monitor frame.

Installing Patch Files

1 Copy the patch file onto a USB memory device or CD/DVD.

Caution

Do not change the file name or other aspects of the patch file.

2 Click [Patch Installation] in the Administration Menu.



The Patch Installation screen appears.

3 Select the media on which the patch file is stored.



A list of patch file names appears.

- 4 Confirm a patch file name, and click [OK]. A confirmation message appears.
- Confirm the content of the message, and click [Yes].

Caution

The NSR will automatically reboot after installation of certain patch files. A confirmation screen will appear if reboot is necessary. If you cannot stop your current operations, select [No] to cancel installation, and perform installation when rebooting the NSR will not be a problem.

The following screen appears during installation of the patch file.



When installation is complete, the patch is applied.

Connection Examples

Monitor Connection Examples

This unit supports several combinations of monitor connection. Refer to the following connection examples.

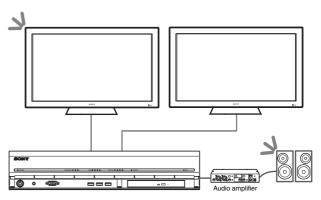
Note

You can select whether to output RCA audio or HDMI audio in the Audio screen of the Setup Wizard or Setup menu.

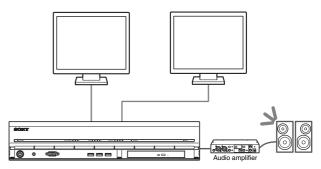
Caution

Be sure to connect the monitors and turn them on before turning on the unit.

Example 1) When connecting two HDMI monitors



Example 2) When connecting two analog RGB monitors

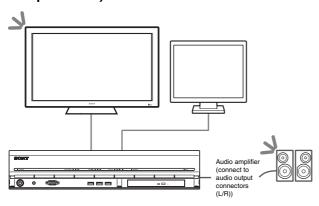


■ : Audio output locations.

Notes

- Do not connect the monitors to HDMI monitor connectors 1 and 2.
- Do not connect a monitor to analog RGB monitor connector 1 on the front of the unit while the unit is on.

Example 3) When connecting an HDMI monitor and analog RGB monitor (HDMI monitor used for operations)

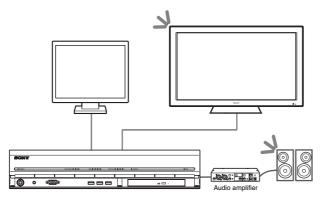


\(\) : Audio output locations.

Note

Use HDMI monitor connector 1 and analog RGB monitor connector 2 for connections.

Example 4) When connecting an HDMI monitor and analog RGB monitor (analog RGB monitor used for operations)



\(\): Audio output locations.

Note

Use analog RGB monitor connector 1 and HDMI monitor connector 2 for connections.

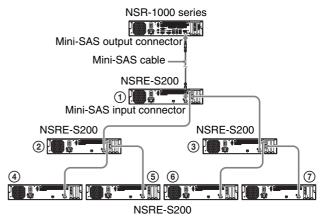
NSRE-S200 Connection Example

You can connect up to seven optional NSRE-S200 units to the NSR-1200/1100/1050H in the following tree configurations.

Note

The mini-SAS cable used for connection is supplied with the NSRE-S200. Always use the supplied cable.

We recommend connecting NSRE-S200 expansions in the following order.



The following is the list displayed when units are connected in Position #1, #3, and #6. Be aware that the Volume # is displayed in the order in which the partitions were configured.



Miscellaneous

STATUS LED

When an error occurs with the unit, the ERROR LED on the front panel of the unit flashes or lights depending on the error status, and the STATUS LED lights.

STATUS ■1 ■2 ■3 ■4 ■ ERROR

The STATUS LED indicates the following error situations.

Error codes displayed during boot stage (The ERROR LED blinks when an error occurs during boot.)

STATUS ERROR LED Error Possible Cause code LED Voltage power supply Blinking 1 1 2 3 4 failure 2 CPU fan failure Blinking 1 2 3 4 Defective memory Blinking 3 1 2 3 4 module CMOS battery failure 4 Blinking 1 2 3 4 Video random access Blinking 5 memory (RAM) or 1 2 3 4 controller failure Hard disk controller Blinking 6 1 2 3 4 failure No bootable device Blinking 7 1 2 3 4 found No bootable Operating Blinking 8 1 2 3 4 System found One or more hard disk Blinking 9 1 2 3 4 failure RAID OS volume Blinking A 1 2 3 4 failure Failure to start the X11 В Blinking 1 2 3 4 server Failure to start the Blinking C 1 2 3 4 application D Blinking Reserved for future use 1 2 3 4 Blinking Е 1 2 3 4 Reserved for future use RAID data volume – Blinking F 1 2 3 4 failure

indicates that the STATUS LED or ERROR LED is lit.

Error codes displayed during operation stage (The ERROR LED lights when an error occurs during operation.)

Error code	STATUS LED	ERROR LED	Possible Cause
1	1234	On	Internal device temperature problem
2	1234	On	CPU fan failure
3	1234	On	Power supply fan failure
4	1234	On	Voltage power supply failure
5	1234	On	Hard disk fan 1 failure
6	1234	On	Hard disk fan 2 failure
7	1234	On	Hard disk is damaged.
8	1234	On	Reserved for future use
9	1234	On	Reserved for future use
A	1234	On	Reserved for future use
В	1234	On	Operating system error
С	1234	On	Application functioning failure
D	1234	On	[ERROR] lamp in "Main" screen is lit
Е	1234	On	RAID data volume failure
F	1 2 3 4	On	RAID data volume is being restructured

I/O Port

Pin Assignment of I/O Port

Sensor In

Pin NO.	SENSOR IN
1	3.3 v
2	IN_8 -
3	IN_8 +
4	IN_7 -
5	IN_7 +
6	IN_6 -
7	IN_6+
8	IN_5 -
9	IN_5 +
10	IN_4 -
11	IN_4 +
12	IN_3 -
13	IN_3 +
14	IN_2 -
15	IN_2 +
16	IN_1 -
17	IN_1 +
18	GND

Alarm Out

Pin NO.	ALARM OUT
1	GND
2	OUT_8 -
3	OUT_8 +
4	OUT_7 -
5	OUT_7 +
6	OUT_6 -
7	OUT_6 +
8	OUT_5 -
9	OUT_5 +
10	OUT_4 -
11	OUT_4 +
12	OUT_3 -
13	OUT_3 +
14	OUT_2 -
15	OUT_2 +
16	OUT_1 -
17	OUT_1 +
18	GND

RS-422/485

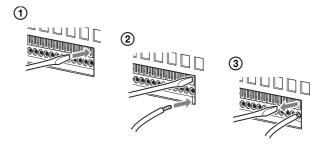
Pin NO.	RS-422	RS-485
19	TX-	TX-
20	TX+	TX+
21	RX-	
22	RX+	

Using the I/O Receptacle

Insert a small slotted screwdriver into the upper or lower slot of the hole you want to connect a wire to (AWG No. 26 to 20). Hold down the screwdriver and insert the wire, then release the screwdriver.

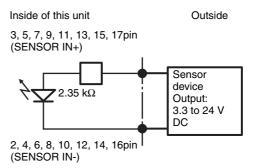
Caution

Do not use excessive force when inserting the screwdriver into the slot. Doing so may result in damage.



Repeat this procedure to connect all required wires.

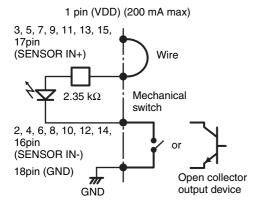
Wiring Diagram 1 for Sensor Input



Wiring Diagram 2 for Sensor Input

Inside of this unit

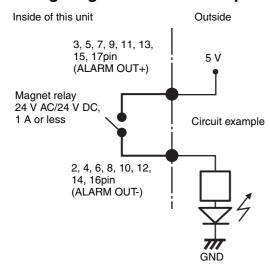
Outside



Note

When the wiring diagram 2 is used, the NSR is not electrically isolated, so be sure to construct external circuits that will not produce noise, excess voltage, or overcurrents.

Wiring Diagram for Alarm Output



Troubleshooting

Before contacting your retailer or a Sony Support Center, please check the following items. If the problem persists, contact them.

The NSR does not work.

- Verify that the power switch is turned on.
- Verify that the power cable is connected correctly.
- Make sure the wall outlet has power. Test it by plugging another device.
- Verify that the hard disk drives are not being accessed (the HDD LEDs on the front of the recorder do not blink), and then turn it off forcibly by pressing and holding the power switch at the rear of the unit for approximately 10 seconds. Restart the NSR.
- During the startup procedure, the NSR checks the file system. The length of this check varies depending on the amount of data on the NSR (in some extreme case, it can take as long as two hours). During the file system check, the HDD LEDs on the front of the recorder blink.
- If the NSR does not start correctly, the following screen may appear.

```
1. HDD Restore
2. DOM Restore
3. Software Restore
4. Reset Monitor Setting
5. Initialize (Factory Use)
6. Reboot the system
7. Shutdown the system
Enter your choice:
```

When it does, proceed as follows.

- 1. Select "7. Shutdown the system," and press the Enter key.
- 2. Referring to "Cannot access the hard drive.", verify whether the NSR hard disks are correctly connected.
- 3. Restart the NSR and verify whether it starts.

The monitor remains blank.

- Verify whether the NSR is on.
- Verify whether the power cord is correctly connected.
- Verify whether the monitor cable is correctly connected. Confirm that the monitor is connected to monitor connector 1.
- If you configure a resolution that is too high for the resolution of the monitor, the "Out of range" message may appear when the monitor resolution is too low compared to the monitor output. Press CTRL+ALT+MINUS SIGN as many times as necessary to lower the resolution of the output video. When the output image resolution reaches the resolution of the monitor, the image appears. Subsequently, reconfigure your monitor resolution. For details, refer to the User's Guide (PDF).

The monitor connected to the HDMI connector does not display properly.

- If you switch the input for the HDMI monitor or reconnect the cable, images may not display properly in some cases. In such cases, try the following.
 - 1. Switch the input for the monitor.
 - 2. Restart the monitor.

Note

If the problem persists after performing the above, disconnect the HDMI cable and continue operation with the analog RGB monitor. When it is convenient to stop operation, restart the unit and try reconnecting the HDMI monitor.

The new external hardware is not working properly.

• Make sure the cables for the new external device are firmly connected and the pins are not bent.

An external device connected to a USB connector does not work.

- When you connect a USB device to the unit, the [ERROR] lamp at the bottom right of the "Main" screen may light. Perform the following to confirm whether the unit supports the USB device.
 - 1. Click the [ERROR] lamp. The System Log appears.
 - 2. Confirm whether the "Unsupported USB device" error appears in the System Log. If "Unsupported USB device" appears, the unit does not support the USB device.
- This unit supports standard USB 2.0 Mass Storage devices. Depending on the type of USB 2.0 Mass Storage device, however, errors may occur when writing data to the device. If errors occur when writing data, use a USB memory device of a different type.

- To ensure proper operation of USB devices, do not connect the devices via a USB hub. Connect the devices directly to the USB connectors on the unit. Operation is not guaranteed when devices are connected via a USB hub, USB switch, or extension cable.
- Refer to the documentation that came with the USB device.

System cannot read the DVD/CD information.

- Make sure that you are using the correct type of disc.
- Make sure the DVD/CD is properly inserted in the drive.
- Check if the DVD/CD is clean and not scratched.

The DVD/CD tray cannot be ejected.

- Make sure that the NSR is turned on.
- Slowly insert the tip of a pen or paperclip into the eject hole on the DVD/CD drive. Pull the tray out from the drive then remove the disc.

The NETWORK LED does not light up.

• Check the cabling and network equipment for the proper connection.

Cannot access the hard disk drive.

- Make sure the hard disk drive is properly inserted.
- Check the HDD LEDs on the front panel of the system. Identify the defective hard disk drive by reading the drive LEDs. A defective HDD LED lights amber.
- Due to rapid flashing during frequent access to the hard disk drive, the HDD LED may appear unlit in bright environments.

Cannot access NSR from a remote client.

- Make sure the NSR is operating properly (there should be no abnormalities with the hard disk drive, network, software or other items).
- Make sure that the central server settings for the unit are correct.
- Make sure that the remote client and network interface settings for the unit are correct.
- Make sure the correct user name, password, and connection port (IP address or host name, and port number) are set in RealShot Manager Advanced.
- Refer to the troubleshooting section of the user's guide for the RealShot Manager Advanced.

The NSR heats up quickly

 Make sure that nothing is blocking the ventilation openings on the front, sides, and rear of the unit and dust has not accumulated in them.

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Version 2.1, February 1999

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<signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice

That's all there is to it!

Specifications

NSR-1200/1100/1050H

Processor

CPU NSR-1200: Quad Core Xeon

> NSR-1100: Dual Core Xeon NSR-1050H: Dual Core Xeon

Memory

Onboard flash memory

4 GB

Internal memory

NSR-1200: 2 GB NSR-1100: 1 GB NSR-1050H: 1 GB

Recording devices

Internal hard disk drive

DVD/CD drive (front)

1 drive

Compatible media: DVD+R, DVD-R, DVD-ROM, CD-R, CD-RW, CD-ROM

External connectors

Front Monitor output:

Analog RGB (mini D-SUB 15 pin) (1)

USB: USB 2.0 (3)

Monitor output: Rear

Analog RGB (mini D-SUB 15 pin) (2)

HDMI (2)

Audio output (L) (1)

Audio output (R) (1)

Audio input (1)

LAN (1000Base-T/100Base-TX/10Base-T)

(RJ-45)(4)USB: USB 2.0 (3)

Mini-SAS output (for optional NSRE-S200

connection, mini-SAS ×4 (SFF-8088),

3.0 Gbit/s) (1)

Sensor input (compatible with 3.3 V to 24 V

DC devices, photo coupler input, insulated from main unit) (8)

Alarm output (maximum 24 V DC, 1 A,

mechanical relay output, insulated from main unit) (8)

UPS serial: RS-232C (1)

Analog camera control (only with NSR-

1050H or NSBK-A16/A16H expansion):

RS-232C(1)

RS-422/485 (1)

Operating environment

Operating temperature

5 °C to 40 °C (41 °F to 104 °F)

Operating humidity

20% to 80% (maximum wet-bulb

temperature: 30 °C, noncondensing)

Temperature range for storage

 $-20 \text{ to } +60 \,^{\circ}\text{C} \, (-4 \text{ to } +140 \,^{\circ}\text{F})$

Humidity range for storage

20 to 90% relative humidity (maximum wet-

bulb temperature 35 °C/95 °F, no

condensation)

Power and miscellaneous

Power

100 to 127 V AC/200 to 240 V AC (50/60

Power consumption

Max. 350 W

Dimensions

 $430 \times 87 \times 417 \text{ mm} (16.9 \times 3.4 \times 16.4 \text{ in.})$

(W/H/D, excluding protrusions)

Mass

NSR-1200: approx. 13.5 kg (29.8 lb.)

NSR-1100: approx. 12 kg (26.7 lb.)

NSR-1050H: approx. 11.5 kg (25.4 lb.)

Optional accessories

NSR-RM1 Rack Mounting Kit

RM-NS1000 System Controller

NSBK-A16/A16H Analog Encoder Kit

NSRE-S200 Expansion Storage Unit

Design and specifications are subject to change without notice.

Notes

Always make a test recording, and verify that it was recorded successfully.

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- 電源を切る。
- 2 電源コードや接続コードを抜く。
- る お買い上げ店またはソニーのサービス窓口に連絡する。



1

● 電源プラグをコンセントから抜くか、ブレーカーを落とす。

警告表示の意味

取扱説明書および製品では、次のような表示をしています。表示の 内容をよく理解してから本文をお 読みください。

⚠警告

この表示の注意事項を守らないと、 火災や感電などにより死亡や大け がなど人身事故につながることが あります。

この表示の注意事項を守らないと、 感電やその他の事故によりけがを したり周辺の物品に損害を与えた りすることがあります。

注意を促す記号







行為を禁止する記号







分解禁止

按舳埜止







ぬれ手禁止 水ぬれ禁止 指挟み

行為を指示する記号







指示



アース線を 接続せよ

⚠警告





下記の注意を守らないと、**火災**や**感電**により**死亡**や**大けが**につながることがあります。



禁止



プラグをコン セントから抜く

電源コードを傷つけない

電源コードを傷つけると、火災や感電の原因となることがあります。

- ・設置時に、製品と壁やラック(棚)などの間に、はさみ込んだりしない。
- ・電源コードを加工したり、傷つけたりしない。
- ・重いものをのせたり、引っ張ったりしない。
- ・熱器具に近づけたり、加熱したりしない。
- ・電源コードを抜くときは、必ずプラグを持って抜く。
- ・電源コードを接続したまま、機器を移動しない。
- ・電源コードや電源プラグが傷んだり、コンセントの差し込み口がゆるいとき は使用しない。

万一、電源コードが傷んだら、お買い上げ店に交換をご依頼ください。



指定された電源コード、接続コードを使う

取扱説明書に記されている電源コード、接続コードを使わないと、感電や故障 の原因となることがあります。



日本国内で使用する場合

交流 100V でお使いください。

異なる電圧で使うと、火災や感電の原因となることがあります。



内部に水や異物を入れない

水や異物が入ると火災の原因となることがあります。 万一、水や異物が入ったときは、すぐに電源を切り、電源コードや接続コード を抜いて、お買い上げ店にご相談ください。



水のある場所に設置しない

水が入ったり、ぬれたりすると、火災や感電の原因となることがあります。 雨天や降雪中、海岸や水辺での使用は特にご注意ください。



油煙、湯気、湿気、ほこりの多い場所には設置しない

上記のような場所に設置すると、感電の原因となることがあります。 取扱説明書に記されている仕様条件以外の環境での使用は、感電の原因となる ことがあります。







下記の注意を守らないと、**火災**や**感電**により**死亡**や**大け** がにつながることがあります。



重い製品の運搬は二人以上で

重量のある機器の開梱・運搬は、けがや事故を防ぐため、必ず二人以上で行ってください。



電源プラグの端子、および端子の取付け面にほこりが付着している場合は、乾いた布でよく拭く

そのまま使用すると火災の原因となります。



電源プラグは、コンセントの奥まで確実に差し込む

火災、故障の原因となることがあります。



2台以上積み上げない

ラックを使用せずに2台以上積み上げると、機器が落下してけがの原因となる ことがあります。



接続の際は電源を切る

電源コードや接続コードを接続するときは、電源を切ってください。感電や故 障の原因となることがあります。



ラックマウントレールに手や指をはさまない

ラックマウントした機器を収納するときおよび引き出すとき、ラックマウントレールに手や指をはさみ、けがをすることがあります。

下記の注意を守らないと、**けが**をしたり周辺の物品に**損害**を与えるこ とがあります。



通風孔をふさがない

通風孔をふさぐと内部に熱がこもり、火災や故障の原因となることがありま す。風通しをよくするために次の項目をお守りください。

- ・壁から 10 cm 以上離して設置する。
- ・密閉された狭い場所に押し込めない。
- ・ 毛足の長い敷物 (じゅうたんや布団など) の上に設置しない。
- 布などで包まない。
- あお向けや横倒し、逆さまにしない。



アース線を 接続せよ

安全アースを接続する

安全アースを接続しないと、感電の原因となることがあります。 安全アースを取り付けることができない場合は、お買い上げ店にご相談くださ 170



接続ケーブル類を正しく配置する

電源コードや接続ケーブル類を足に引っかけると、本機が落下・転倒してけが の原因となることがあります。充分注意して接続、配置してください。



ファンが止まったままの状態で使用しない

ファンモーターが故障すると、火災の原因となることがあります。交換は、お 買い上げ店にご依頼ください。



分解禁止

内部を開けない

内部には電圧の高い部分があり、キャビネットや裏ぶたを開けたり改造したり すると、火災や感電の原因となることがあります。内部の調整や設定、点検、 修理はお買い上げ店にご依頼ください。



転倒、移動防止の処理をする

大型の製品をラックに取り付け・取り外しするときは、転倒・移動防止の処理 をしないと、倒れたり、動いたりしてけがの原因となることがあります。 安定した姿勢で注意深く作業してください。

また、ラックの設置状況、強度を充分にお確かめください。



下記の注意を守らないと、**けが**をしたり周辺の物品に**損害**を与えることがあります。



安定した場所に設置する

ぐらついた台の上や傾いたところに設置すると、倒れたり落下したりして、故 障やけがの原因となることがあります。また、設置・取り付け場所の強度を充 分にお確かめください。



直射日光の当たる場所や熱器具の近くに設置・保管しない

内部の温度が上がり、火災や故障の原因となることがあります。 真夏の、窓を閉め切った自動車内では 50 ℃を越えることがありますので、ご 注意ください。



製品の上に乗らない、重い物を乗せない

倒れたり、落ちたり、壊れたりして、けがの原因となることがあります。



機器を移動する場合、あるいはお手入れの際は、電源を切って電 源プラグを抜く

電源を接続したままお手入れをすると、感電の原因となることがあります。 接続ケーブルなどもはずしてください。

長時間機器を使用しないときは、安全のため必ず電源プラグをコンセントから 抜いてください。



ぬれた手で電源プラグをさわらない

ぬれた手で電源プラグを抜き差しすると、感電の原因となることがあります。



ケーブルやコネクター部を定期的に点検する

ケーブルに傷があったりコネクターの接触が悪いと、接続不良による感電の原因となることがあります。

1年に1度は、ケーブルやコネクター部の点検をしてください。



定期的に内部の掃除を依頼する

長い間、掃除をしないと内部にホコリがたまり、火災や感電の原因となること があります。

1年に1度は、内部の掃除をお買い上げ店またはソニーのサービス窓口にご依頼ください。(有料)

特に、湿気の多くなる梅雨の前に掃除をすると、より効果的です。

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- ・その他、本書に記載されているシステム名、製品名、会 社名は一般に各開発メーカーの登録商標または商標です。
- ・本機をお使いになる前に、必ず本書のエンドユーザーライセンス契約をお読みください。

なお、本文中では、®、™マークは明記していません。

- ・権利者の許諾を得ることなく、本機に付属のソフトウェアおよび取扱説明書の内容の全部または一部を複製すること、およびソフトウェアを賃貸することは、著作権法上禁止されております。
- ・本機、および本機に付属のソフトウェアを使用した ことによって生じた損害、逸失利益、および第三者 からのいかなる請求等につきましても、当社は一切 その責任を負いかねます。
- ・ 本機の保証条件は、同梱の当社規定の保証書の規定 をご参照ください。
- ・本機に付属のソフトウェアは、本機以外には使用できません。
- ・ソニーが配布した本機用のソフトウェア以外のソフトウェアをインストールすることはできません。
- ・本機、および本機に付属のソフトウェアの仕様は、 改良のため予告なく変更することがありますが、ご 容赦ください。
- ・本機では、パスワードの保存等は MD5 による高度 なセキュリティーを使用しています。

録画内容の補償に関する免責事項

本機の不具合など何らかの原因で記録ができなかった場合、不具合・修理など何らかの原因で記録内容が破損、 消滅した場合等、いかなる場合においても記録内容の補 償およびそれに付随するあらゆる損害について、当社は 一切の責任を負いかねます。また、いかなる場合におい ても、当社にて記録内容の修復、復元、複製等はいたし ません。あらかじめご了承ください。

その他安全上のご注意

警告

設置の際には、容易にアクセスできる固定配線内に専用 遮断装置を設けるか、使用中に、容易に抜き差しできる、 機器に近いコンセントに電源プラグを接続してください。 万一、異常が起きた際には、専用遮断装置を切るか、電 源プラグを抜いてください。

重要

機器の名称と電気定格は、底面に記載されています。

本機をラックに設置するときは、ラックと本機の間に、 左右両側面に 4 cm 以上、後面に 10 cm 以上の空間を確保してください。

注意

付属の電源コードは本機の専用品です。 他の機器には使用できません。

使用上のご注意

安全上のご注意

- ・本機の電源仕様に適合する電源を使用してください。
- ・付属の電源コードを使用し、束ねたり、タコ足配線しないでください。定格をこえた電流が流れると、火災などの原因となります。
- ・使用するコンセントや電源コードが正しくアースされていることを確認してください。
- ・カバー類を外した状態で使用しないでください。カバー 類を外した状態で使用すると、火災、感電の原因となる ことがあります。カバー類を外す必要があるときは、必 ずお買い上げ店に依頼してください。

設置上のご注意

使用・保管場所

長期間ご愛用いただくために、次のような場所での使用 および保管は避けてください。

- ・極端に暑いところや寒いところ(仕様を守ってお使いく ださい。)
- ・直射日光が長時間あたるところや暖房器具の近く(真 夏、窓を閉め切った自動車内では50°Cを超えることが ありますのでご注意ください。)
- ・湿気・ほこりの多いところ
- 激しい振動があるところ
- ・強い磁気の発生するものの近く
- ・強力な磁気を発生するテレビ、ラジオの送信所の近く

通風孔をふさがない

- ・本機内の温度の上昇を防ぐため、本機の側面にある通風 孔をふさがないでください。本機の両側面、後面、上面 は、壁や天井から 10 cm 以上離してください。
- ・本機を密閉された箱に入れて使用しないでください。
- ・本機背面のファンの通風孔付近に、ケーブルやその他の 障害物がこないように設置してください。通風孔をふさ ぐと内部に熱がこもり、火災や故障の原因となることが あります。
- ・本機をラックに設置して使用するときも、本機背面のファン、前面の通気孔付近に、ケーブルやその他の障害物がこないように設置してください。また、動作環境が上記の条件を満たす場所に設置してください。

水平位置で使用してください

- ・本機は水平平面上で動作するように設計されています。
- ・傾いた場所に設置しないでください。強い衝撃を与えないでください。
- ・落としたりして強い衝撃を与えると故障することがあり ます。

・本機をラックに設置するときは、水平が保てるように取 り付けてください。高さを合わせないで取り付けると、 誤動作の原因となります。また、本機をラックに取り付 けたときに、ラックの重量バランスが崩れて転倒するこ とを防ぐため、ラックに転倒防止金具などを取り付ける ことをおすすめします。

お手入れについて

- ・お手入れをする前に、電源プラグをコンセントから抜い てください。
- ・キャビネットやパネルの汚れは、乾いた柔らかい布で軽 くふき取ってください。汚れがひどいときは、中性洗剤 溶液を少し含ませた布で汚れをふき取り、乾いた布で仕 上げてください。
- ・アルコール、シンナー、ベンジンや殺虫剤など、揮発性 のものをかけると、変質したり塗料がはげることがあり ます。
- ・本機前面の通風孔にほこりがたまることがあります。そ の場合は、衝撃・振動を与えないように注意して除去し てください。

輸送のときは

付属のカートン、または同等品で梱包し、急激な衝撃を 与えないようにご注意ください。

HDD 内蔵機器に対する注意事項

本機には、ハードディスクドライブ(以下 HDD と称す る)が搭載されています。HDDは精密部品であり、衝 撃・振動・静電気・温度・湿度が原因で故障したり、 HDD 内のデータが破損する恐れがあります。本機を設 置・使用するときは、以下の注意事項をよくお読みのう え、慎重に取り扱ってください。

衝撃・振動を与えない

衝撃・振動が加わると HDD が故障あるいは HDD 内の データが破損される恐れがあります。

- ・本機を輸送する場合は、指定の梱包材料で梱包してくだ さい。台車などで搬送する場合は、振動の少ない台車を 使用してください。過度な衝撃・振動が加わると HDD が故障するおそれがあります。
- ・通電中は本機を移動しないでください。本機をラックか ら出し入れするときも、必ず電源をオフにした状態で 行ってください。
- ・ ラック内にあるすべての HDD 搭載機器に衝撃を与えな いでください。
- ・本機をラックから出し入れするとき、ラック内に通電中 の HDD 搭載機器がある場合は、必ずその機器の電源を オフにしてください。
- ・本機の外装を取り外さないでください。

- ・本機を床などに置くときは、本機の底に必ず指定のゴム 脚がついている状態で、静かに降ろしてください。脚が 付いていない場合は、脚を取り付けてから置いてくださ
- ・振動を発生する機器の近くには置かないでください。

電源オフ後 30 秒間は作業しない

電源をオフにした後もしばらくの間は、HDD 内のディス クは慣性で回転しており、ヘッドは不安定な状態にあり ます。この期間は、通電中以上に衝撃・振動に弱い状態 です。電源オフ後、最低30秒間は軽い衝撃も与えないよ うにご注意ください。30 秒以上経過すれば、(ディスク が静止するので)作業を開始できます。

温度・湿度に関するご注意

適正範囲内の温度・湿度のある場所で、保管・使用して ください。(仕様を守ってお使いください。)

HDD に不良症状が現れた場合

万一、本機の HDD が故障した(不良症状が現れた)と思 われる場合でも、本機の取り扱いは、上記と同様に行っ てください。不良内容の確認や不良解析を行うまでの損 傷の拡大を防ぎます。

HDD を含む有寿命部品の交換

HDD、ファン、バッテリーは有寿命部品として定期的な 交換が必要です。常温でのご使用の場合、2~3年を目 安に交換してください。ただし、交換時間は目安であり、 部品の寿命を保証するものではありません。交換の際は お買い上げ店にご相談ください。

USB ご使用時の注意事項

- ・USBメモリーは、一般的な USB 2.0 マスストレージに 対応しています。USB 2.0 マスストレージでも一部の 製品によっては、データの書き込みの際にエラーとなる 可能性があります。書き込みの際にエラーが発生した場 合には、別の機種の USB メモリーをお使いください。
- ・USB デバイスを正しくご使用いただくために、USB ハ ブ経由などでなく本機の USB コネクタに直接接続して お使いください。USBハブ、USBスイッチ、延長ケー ブル経由でご使用の場合は、動作保証いたしません。

機能概要

NSR シリーズはネットワークカメラに対応したネットワークサーベイランスサーバーです。ネットワークカメラの JPEG、MPEG-4 または H.264 の画像をネットワーク経由でモニタリングしたり、記録することができます。また、記録した画像を検索、再生することもできますので、監視システムとして幅広い用途にお使いいただけます。

対応ネットワークカメラの遠隔操作が可能

パン (左右)・チルト (上下)・ズーム (拡大) に対応したカメラであれば、カメラの動作を制御できます。

アナログカメラにも対応

アナログカメラを直接本機に接続¹⁾し、画像をモニタリングしたり、記録することが可能です。

1) NSR-1200/1100 は、NSBK-A16/A16H (オプション) の 増設が必要です。NSR-1050H には、あらかじめ NSBK-A16 が搭載されています。

大容量ハードディスクに長時間記録

大容量ハードディスクを内蔵していますので、高画質でも長時間記録が可能です。参考例として、「設置参考データ」(63ページ)をご覧ください。

省スペースの 2U、19 インチラックマウントタイプ

オプション(別売り)のラックマウントキットを使うと、 EIA STANDARD(ユニバーサルピッチ)の 19 インチ ラックに設置できます。

最大 480 fps (VGA、JPEG) での高画質記録

NSR-1200 は最大 64 台(NSR-1100 は 32 台、NSR-1050H は 20 台)のカメラを接続できます。また、NSR-1200 では、トータルフレームレート 480 $\rm fps^{1)}$ (NSR-1100 は 240 $\rm fps$ 、NSR-1050H は 120 $\rm fps$)で、VGA $(640\times480)^{2}$ 、JPEG 画質(1 フレームあたり約 31 KB)の画像を記録できますので、自然でなめらかな高画質記録を実現します。

- 1) カメラ 16 台接続時の合計フレームレート最大値。1 台あたりのフレームレートは30 fps。ハードディスク内のフラグメンテーション(断片化)により低下する場合があります。値は、弊社内環境での測定によるものです。お客様の環境によって性能は変化するため、必ずしもこの値を保証するものではありません。
- 2) 解像度が QuadVGA (1280 \times 960) の場合にはフレーム レートは VGA の 1/4 になります。

高信頼性の実現

NSR-1200 は RAID 5¹⁾ に対応し、高信頼性を実現しています。仮にハードディスクのうち 1 台が故障した場合でも、システムの運用が継続できます。さらに、UPS(無停電電源装置)にも対応し、システムとしての高い信頼性を実現しています。

1) RAID 5 とは、データだけでなくパリティと呼ばれる誤り訂正符号も複数のハードディスクに分散して記録するシステムです。これにより 1 台のハードディスクが故障しても、運用を継続可能とする仕組みですが、データ復旧を保証するシステムではありません。また、故障したハードディスクを交換後の再構築中は、内部処理の負荷が高くなりますので、設定している記録レートで画像を記録できなくなる場合があります。

その他の機能

- ・2×2、3×3といったの標準的なレイアウトだけでは なく、柔軟な配置ができるカスタムレイアウトにも対応 しています。
- ・マニュアル記録、スケジュール記録、アラーム記録など の多彩な記録モードをサポートしています。
- ・レコーダーによる動体検知機能 ¹⁾ (Video Motion Detection (レコーダー)) を標準装備しています。
- ・カメラ名、日時、アラームなどをキーにして、記録画像 を検索できます。
- ・画像の特定部分を覆い隠し、プライバシー保護などに利用できるダイナミックマスキング機能²⁾を標準搭載しています。マスキングエリアはパン(左右)、チルト(上下)やズーム(拡大)にも追従します。
- ・カメラから配信される画像処理結果である物体情報のメタデータを用いた各種フィルタリング³⁾を行うことによって、高度なアラーム処理が可能となりました。記録済みのメタデータに対してもフィルタリングが可能なため、記録後に、気になる部分について検索できます。
- ・対応ネットワークカメラからの音声の記録/再生⁴⁾ に も対応しています。
- 1)接続するカメラの台数によっては、機能に制限があります。
- 2) 接続するカメラの機種によっては、機能に制限があります。
- 3) メタデータを使用して動体、不動体検知を行う場合は、動体 検知メタデータに対応しているカメラが必要です。メタデー タの利用は、32 台までを推奨しています。
- 4) 別売のオーディオアンプやスピーカーが必要です。

重要

本書では、本機の設置と初期設定について説明しています。本機の詳細な設定については、『ユーザーガイド』 (PDF) を参照してください。

必要なシステム

本機を操作するために必要なハードウェアは以下のとおりです。

- ソニー製ネットワークカメラ本機で使用できるソニー製ネットワークカメラについては、お買い上げ店にお問い合わせください。
- モニター¹⁾
- ・USB キーボード²⁾
- ・USB マウス ³⁾
- USB リモコン⁴⁾
- ・ネットワークスイッチ
- ・1000 Base-T/100 Base-TX/10 Base-T ケーブル
- ・USB メモリー⁵⁾
- 1) 本機で使用できるモニターは、HDMI 対応機器および RGB 入力対応のコンピューターディスプレイです。 指定できる解像度は、以下のとおりです。
 - フルハイビジョン (1,920 × 1,080)
 - WUXGA $(1,920 \times 1,200)$
 - フルワイド XGA (1,360 × 768)
 - UXGA $(1,600 \times 1,200)$
 - SXGA $(1,280 \times 1,024)$
 - XGA (1.024×768)
- 2) USB キーボードは、ケーブル接続タイプをお使いください。 無線接続や赤外線接続タイプの USB キーボードでは動作し ない場合があります。また、拡張ボタンなど、標準以外の機 能も動作しない場合があります。
- 3) USB マウスは、ケーブル接続タイプをお使いください。無線接続や赤外線接続タイプの USB マウスでは動作しない場合があります。また、3 ボタンやホイール以外の機能も動作しない場合があります。
- 4) カメラのパン、チルト、ズームのコントロールを行う際にリ モコンを使用できます。
 - USB リモコンは、RM-NS1000 および CH Products 社 の IP Desktop USB に対応しています。他のリモコンはお 使いになれません。また、リモコンの接続は 1 台だけにしてください。
- 5) ログなどのシステム情報を取得するときに必要です。
 - USBメモリーは、一般的な USB 2.0 マスストレージに対応しています。USB 2.0 マスストレージでも一部の製品によってはデータの書き込みの際にエラーとなる可能性があります。書き込みの際にエラーが発生した場合には、別の機種の USB メモリーをお使いください。

箱の中身を確認する

パッケージを開けたら、以下のものが揃っているかお確かめください。付属品の中に欠けているものがあるときは、お買い上げ店にご連絡ください。

NSR-1200/1100

- · NSR-1200/1100 本体(1)
- ・電源コード(1)
- ・フロントパネルキー(2)
- · 設置説明書(本書)(1)
- ・ファーストステップガイド(1)
- ・モニタリング画面操作ガイド (1)
- 安全のために(1)
- · WEEE (冊子) (1)
- · 保証書 (冊子) (1)
- 保証シート(1)
- ・ゴム足 (4)

NSR-1050H

- · NSR-1050H 本体(1)
- ・ 電源コード (1)
- ・フロントパネルキー(2)
- ・アナログカメラ入力用ケーブル(1)
- · 設置説明書(本書)(1)
- ・ファーストステップガイド(1)
- ・モニタリング画面操作ガイド(1)
- 安全のために(1)
- · WEEE (冊子) (1)
- · 保証書 (冊子) (1)
- 保証シート(1)
- ・ゴム足 (4)

メモ

- ・上記以外に、説明書や書類などが同梱されている場合が あります
- 箱と梱包材は、本機を移動したり輸送したりするときに 必要です。捨てないで必ず保管してください。
- ・ ラックマウントキット (NSR-RM1)、システムコント ローラー (RM-NS1000) はオプション (別売り) で す。

NSR 本体に収録されて いるファイルをダウン ロードするには

NSR 本体には、取扱説明書やその他ドキュメント、ツールが収録されています。以下の操作で、NSR 本体に収録されているファイルを取り出すことができます。

- **1** コンピューターから Internet Explorer などの ftp クライアントを利用して、以下の URL を指定する。 ftp://ftptool@ < NSR の IP アドレス>
- 2 以下のユーザー名とパスワードを入力する。

ユーザー名:ftptool パスワード:ftptool

メモ

ユーザー名とパスワードを変更する必要があるときは、「セットアップメニュー」の「FTP」で、 [Enable user to Get Tools from Remote] の項目を変更します。また、ユーザー名を変更した場合は、指定する URL の ftp:// 以下も変更した「ユーザー名 @ < NSR の IP アドレス>」に変更する必要があります。

ftp クライアントに以下のフォルダーとファイルが表示されます。

3 必要なファイルが格納されているフォルダーをクリックする。

フォルダー

Manual: 取扱説明書 (PDF) が格納されてい

ます。

SourceCode: GPL/LGPL のソースコードなどが格

納されています。

Tool: RealShot Manager Advanced お

よび Media File Player が格納され

ています。

ファイル

README.txt:各フォルダーの構成が記載されてい

ます。

各フォルダー内のファイルが一覧表示されます。

4 必要なファイルをクリックしてダウンロードする。

PDF マニュアルの使いか た

NSR 本体には、取扱説明書とその他ドキュメント (日本語、英語、フランス語、ドイツ語、イタリア語、スペイン語、中国語簡体字、ロシア語)、クライアントソフトが格納されています。

この取扱説明書は、PDF (Portable Document Format) で作成されています。

準備

本体に格納されている取扱説明書を使用するためには、 以下のソフトウェアがコンピューターにインストールさ れている必要があります。

· Adobe Reader 6.0以上

メモ

Adobe Reader がインストールされていない場合は、下記 URL よりダウンロードできます。 http://www.adobe.co.jp/

Adobe および Acrobat は、Adobe Systems Incorporated (アドビシステムズ社) の商標です。

PDF マニュアルを読むには

- **1** 「NSR本体に収録されているファイルをダウンロードするには」に従って、NSR本体から、「Manual」フォルダー内の読みたい言語の取扱説明書をダウンロードする。
- **2** ダウンロードしたファイルをダブルクリックする。

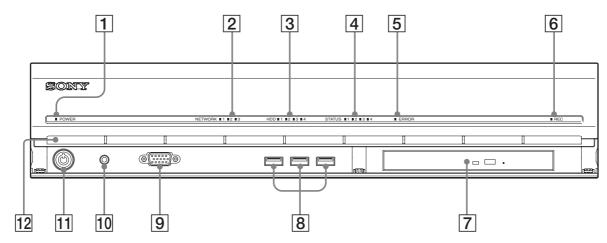
メモ

Adobe Reader のバージョンによって、ファイルが正しく表示されないことがあります。その場合は、「準備」の項に記載されている URL から最新のバージョンをダウンロードしてください。

各部の名称

前面(カバーを開けた状態)

NSR-1200/1100/1050H



1 POWER LED

電源が入ると、緑色に点灯します。 スタンバイモードのときはアンバー色に点灯します。

2 NETWORK LED $(1 \sim 3)$

背面の LAN コネクター($1 \sim 3$)にそれぞれアクティビティがあるときに緑色に点灯します。

3 HDD LED

内蔵ハードディスクのアクセス時に緑色に点滅します。ハードディスクにエラーが発生したときはアンバー色に点灯します。

4 STATUS LED $(1 \sim 4)$

本機の起動時に、 $1 \rightarrow 2 \rightarrow 3 \rightarrow 4$ の順で点灯します。 また、エラーが発生したときには、ERROR LED が 点灯/点滅するとともに STATUS LED が点灯し、 エラーの内容を表示します。

詳細は、「STATUS LED の見かた」(84 ページ)を 参照してください。

5 ERROR LED

エラーが発生した場合に点灯/点滅します。

6 REC LED

画像の記録中に点灯します。

7 DVD/CDドライブ

本機の内蔵ハードディスクに保存されているデータ を、DVD、CDメディアに記録できます。

8 USB 端子

USB キーボード、USB マウス、USB フラッシュメ モリーや、システムコントローラー(RM-NS1000) を接続します。

9 モニター端子 1

モニターを接続します。

モニター端子 1 (後面のモニター端子 1 を含む) と 後面の HDMI 端子 1 は、同時には使用できません。

10 電源スイッチ

押すと、電源が入ります(電源を切ることはできません)。

11 鍵穴

付属の HDD トレイ施錠鍵を使って、フロントベゼルをロックします。ロック時には、フロントベゼルは引き出せません。また、フロントベゼルを引き出した状態でロックしないでください。

ロック時とロック解除時の鍵穴の位置は、以下のと おりです。

ロック時

ロック解除時



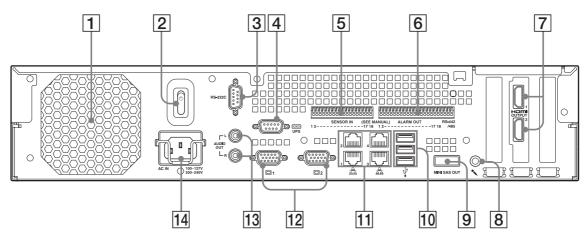


12 通風孔

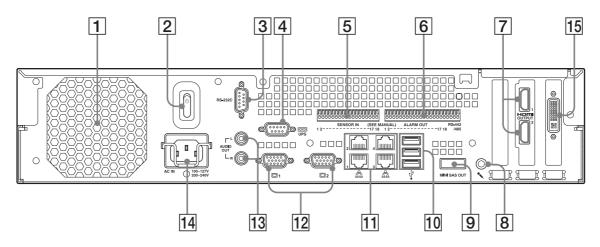
本体前面から背面へのエアフローの入り口です。 通風孔をふさいだり、通風孔の内側のメッシュにほ こりがたまったりして、エアフローが妨げられない ようにしてください。エアフローが妨げられると内部に熱がこもり、火災や故障の原因となることがあります。

背面

NSR-1200/1100



NSR-1050H



1 ファン

ファンの通風孔をふさがないように注意してください。通風孔をふさぐと内部に熱がこもり、火災や故障の原因となることがあります。

2 電源スイッチ

①の方に押すと、電源が入ります。

3 RS-232C 端子

アナログカメラをコントロールする場合に使用します

RS-422/485 端子 (**6** のアラーム出力端子の右側 4 ピン) と同時には使用できません。

4 UPS (RS-232C) 端子

UPS (無停電電源装置) のコントロール系を接続します。

5 センサー入力端子

センサーを接続します。

接続のしかたとセンサー入力への配線図については、「I/O ポートについて」(85 ページ)を参照してください。

6 アラーム出力端子

アラームを接続します。

接続のしかたとアラーム出力への配線図については、「I/O ポートについて」(85 ページ)を参照してください。

7 HDMI モニター端子 (1、2)

HDMI 入力に対応したモニターを接続します。 HDM I モニター端子 1 と **12** のモニター端子 1 (前面のモニター端子 1 を含む)、HDM I モニター端子 2 と **12** のモニター端子 2 は、それぞれ同時には使用できません。

8 マイク入力端子

マイクからの音声を入力します。 プラグインパワー式マイクに対応しています。

9 ミニ SAS 出力端子

NSRE-S200 に接続するためのミニ SAS ケーブルを接続します。

NSRE-S200 は、別売の拡張ストレージユニットです。

10 USB 端子

USB キーボード、USB マウス、USB フラッシュメ モリーや、システムコントローラー(RM-NS1000) を接続します。

11 LAN 端子 (1 ~ 4)

10 Base-T/100 Base-TX/1000 Base-T のネット ワークケーブルを接続します。

LAN1: ネットワークカメラ ¹⁾

LAN2: ネットワークカメラ ¹⁾ (LAN1 と別のセグ メントを使用する場合のみ LAN2 の使用が 可能です。)

1) リモートクライアントは「サーバー設定」画面の[リモートクライアントとのネットワークインターフェイス] で指定したネットワーク ((LAN1 または LAN2のどちらか一方) に接続してください。詳しくは『ユーザーガイド』(PDF) をご覧ください。

LAN3: iSCSI ストレージ²⁾ LAN4: iSCSI ストレージ²⁾

2) iSCSI ストレージをお使いになる場合は、お買い上げ店 にご相談ください。

ご注意

LAN 端子 $1 \sim 3$ を同一ネットワークセグメントに 設定しないでください。

12 モニター端子(1、2)

モニターを接続します。

モニター端子 1(前面のモニター端子 1 を含む)と 7 の 1

13 オーディオ出力端子 (L/R)

音声を出力します。

14 電源端子

付属の電源コードを接続します。

15 アナログカメラケーブル入力端子

アナログカメラを接続するためのアナログカメラ入 力用ケーブルを接続します。

この端子は、NSR-1050H には標準で装備されていますが、NSR-1200/1100 の場合は NSBK-A16/A16H (オプション) の増設が必要です。

設置参考データ

消費電流および、突入電流

機種	電源	消費電流	突入電流
NCD 1000	100 V	2.66 A	
NSR-1200	220 V	1.14 A	
NCD 1100	100 V	1.84 A	
NSR-1100	220 V	0.79 A	10.4
NCD 1050H	100 V	1.75 A	13 A
NSR-1050H	220 V	0.76 A	
NCDE COOO	100 V	0.79 A	•
NSRE-S200	220 V	0.34 A	

記録データ容量

NSR-1200/1100/1050H や別売の拡張ストレージの構成、およびハードディスクドライブの容量 $^{1)}$ は、NSR-1000 シリーズの「ログオン」画面で [情報] をクリックし、表示される「情報」画面で確認することができます。 実際に記録を行えるストレージの容量 $^{2)}$ も同様に、「サーバー」画面の [ストレージ] タブで確認できます。

- 1) ハードディスクドライブの容量計算に関しては、1 GB を $1,000 \times 1,000 \times 1,000 = 10$ 億バイトとして計算しています
- 2) ストレージの容量に関しては、1~GB を $1,024 \times 1,024 \times 1,024 =$ 約 10 億 7,374 万バイトとして計算しています。

カメラ台数について

最大カメラ台数

機種	最大カメラ台数
NSR-1200	64 台
NSR-1100	32 台
NSR-1050H	20 台

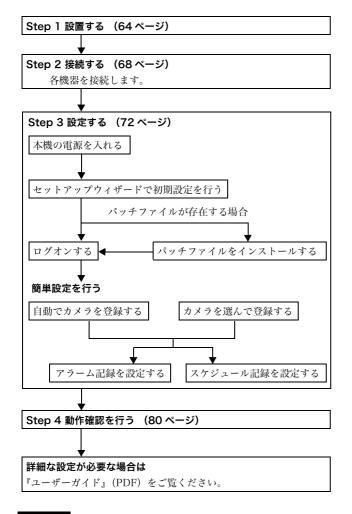
最大カメラ台数のうち、最大アナログカメラ台数

機種	最大アナログカメラ台数
NSR-1200	16 台(NSBK-A16/A16H(オプション)の増
	設時)
NSR-1100	16 台(NSBK-A16/A16H(オプション)の増
	設時)
NSR-1050H	16 台

最大音声チャンネル数

機種	最大音声チャンネル数
NSR-1200	64
NSR-1100	32
NSR-1050H	20

運用までの流れ



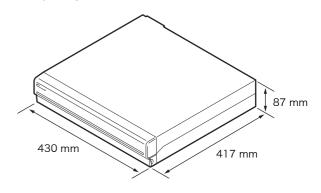
ご注意

パッチファイルは、NSR シリーズでサポートするカメラが追加されたときや機能追加されたときなどに配布されますので、お買い上げ店にご相談ください。パッチファイルのインストールについては、「パッチファイルをインストールする」(81ページ)をご覧ください。

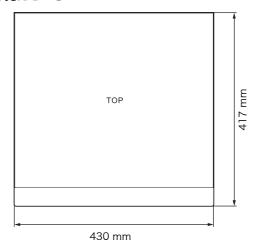
Step 1 設置する

設置場所のスペースや強度を充分確認してから、本機を 設置します。

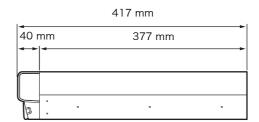
本機の質量は、NSR-1200 が約 13.5 kg、NSR-1100 が 約 12 kg、NSR-1050H が約 11.5 kg で、大きさは以下 のとおりです。



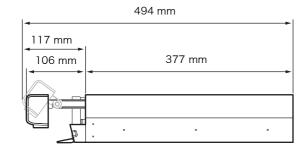
上から見たところ

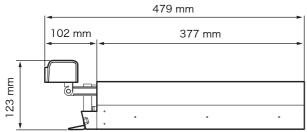


フロントベゼルを閉じたとき



フロントベゼルを開けたとき





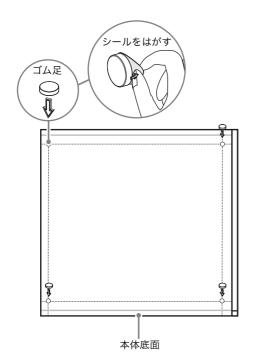
別売のラックマウントキットを使用すると、本機をラックに据え付けることができます。

ラックに設置しない場合

付属のゴム足を本機に取り付ける。

底面が見えるようにして、立てて置き、ゴム足の接着面 を底面の四隅に貼り付けます。

図の位置を参考にして貼ってください。



本機をラックに設置する場合

オプション (別売り) のラックマウントキットを使用して、本機をラックマウントに設置します。

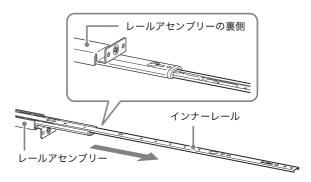
ご注意

- ・本機のオプション(別売り)以外のラックマウントキットを使用すると、火災や感電、けがなどの原因となります。 危険ですのでおやめください。
- ・本機をラックに設置した場合、本機の上に重い物を載せ ないでください。
- ・あらかじめ本機を取り付ける位置を決め、ラックにフェルトペンなどで印を付けておくことをおすすめします。 ラックの高さを合わせないで本機を取り付けると、誤動 作の原因となりますのでご注意ください。
- ・ ラックマウントキットのお求めは、お買い上げ店にご連絡ください。

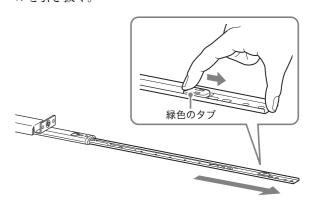
インナーレールを取り出す

レールアセンブリーからインナーレールを取り出します。

1 レールアセンブリーからインナーレールを、止まる 位置まで引き出す。



2 レールアセンブリーを裏返し、緑色のタブを矢印の 方向に引いてロックを解除しながら、インナーレー ルを引き抜く。



3 同様にして、もう1本のレールアセンブリーからインナーレールを引き抜く。

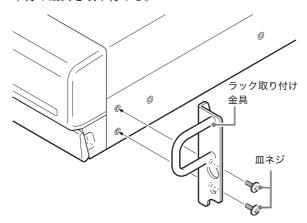
メモ

インナーレールは本機に、レールアセンブリーはラックに取り付けます。

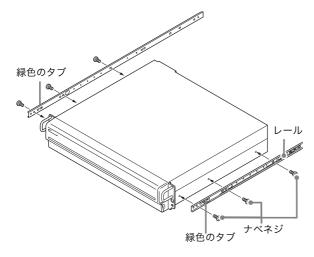
本機の準備をする

ラック取り付け金具とインナーレールを取り付けます。

1 付属の皿ネジを使って、本機側面の前側にラック取り付け金具を取り付ける。



2 付属のナベネジを使って、インナーレールを取り付ける。



ご注意

付属以外のネジを使用すると、故障の原因となります。レールの取り付けには、必ず付属のネジを使用 してください。

ラックの準備をする

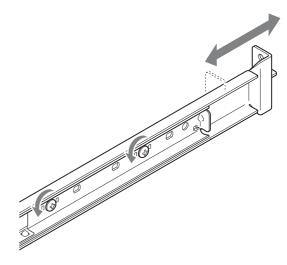
ラックにレールを取り付けます。

1 レールを取り付ける位置を決める。 レールを取り付ける位置に、フェルトペンなどで印 を付けておくことをおすすめします。

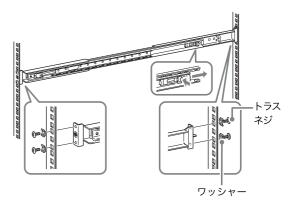
ご注意

レールの高さを合わせないで本機を取り付けると、 誤動作の原因となりますのでご注意ください。

- 2 ラックにレールを取り付ける。
 - お使いのラックに合わせて、レールの長さを調 節する。



② 付属のトラスネジとワッシャーを使って、前側 と後ろ側のフレームにレールを固定する。



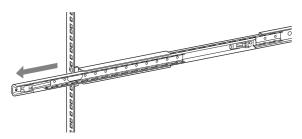
本機をラックに取り付ける

本機をラックに入れて固定します。

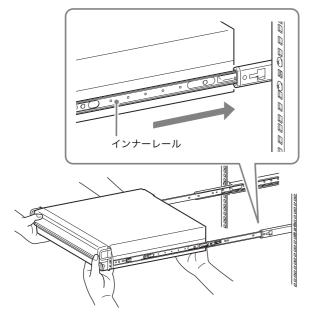
ご注意

けがや事故を防ぐため、必ず二人以上で行ってください。

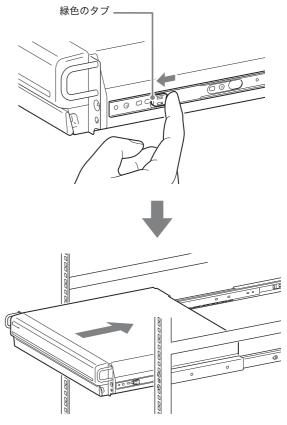
1 レールアセンブリーからスライドレールを引き出す。



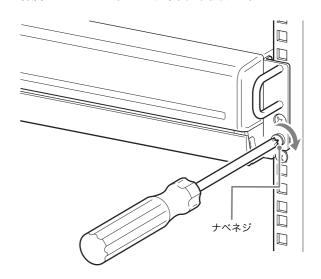
2 本機を持ち上げ、インナーレールをスライドレール の溝(白い部分)に載せて、止まるところまでスラ イドさせる。



3 緑色のタブを手前に引いてロックを解除しながら、 本機をラックの奥までスライドさせる。



4 付属のナベネジを使って、本機を固定する。



オプション品の設置について

NSRE-S200 の設置については、NSRE-S200 に同梱の 設置説明書をご覧ください。

NSBK-A16/A16Hの組み込みについては、お買い上げ店にご相談ください。

Step 2 接続する

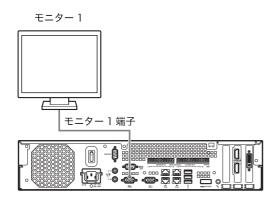
各機器を接続します。

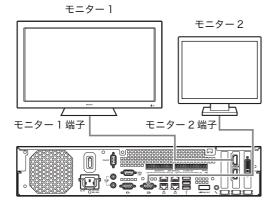
モニターを接続する

1台のモニターで使用する場合は、アナログ RGB モニター端子 1 または HDMI モニター端子 1 に接続します。モニターを 2台使用する場合は、2番目のモニターをアナログ RGB モニター端子 2 または HDMI モニター端子 2 に接続します。

「モニターの接続例」 (82 ページ) もあわせてご覧ください。

例)後面のモニター端子に接続する場合





本機の起動時における推奨の組み合わせ

モニター		端子の組み合わせ			
		HDMI モニター 端子 1	HDMI モニター 端子 2	アナログ RGB モニター 端子 1	アナログ RGB モニター 端子 2
1台	HDMI モニター	0	-	-	-
	アナログ RGB モニ ター	-	-	0	-
2台	HDMI モニター 2台	0	0	-	-
	アナログ RGB モニ ター2台	-	-	0	0
	HDMI モニター	0	-	-	0
	とアナロ グ RGB モニター	-	0	0	-

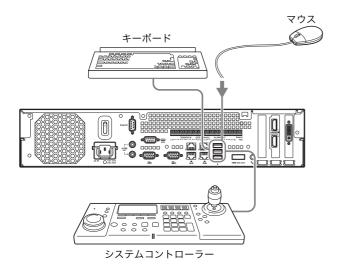
ご注意

- ・モニター端子 1 は 3 つ(アナログ $RGB \times 2$ 、HDMI $\times 1$)、モニター端子 2 は 2 つ(アナログ $RGB \times 1$ 、HDMI $\times 1$)ありますが、モニター端子 1、2 ともそれぞれ 1 つしか使用できません。
- ・前面と後面のアナログ RGB モニター端子 1 に、モニターを同時に接続した状態で本機を起動しないでください。
- ・アナログ RGB モニター 1 台で使用する場合、本機の起動時には、前面のアナログ RGB モニター端子 1 にモニターを接続しないでください。
- アナログ RGB モニターを 2 台接続する場合、HDMI 端子にはモニターを接続しないでください。
- ・HDMI モニターをお使いになる場合は、本機を起動する前に、必ず HDMI モニターを接続し、HDMI モニターの電源をオンにしてください。
- ・モニター2に HDMI モニターを接続している場合、リブートとシャットダウン時の画面はモニター2にのみ表示されます。
- ・前面のアナログ RGB モニター端子 1 を使用する場合 は、HDMI モニター端子 1 にモニターを接続しないで ください。
- ・モニター切り替え器などを接続すると、映像が表示でき ない場合があります。直接接続することをおすすめしま す。

キーボードとマウス、システムコン トローラーを接続する

本機前面または後面の USB 端子に接続します。

例) 後面の USB 端子に接続する場合

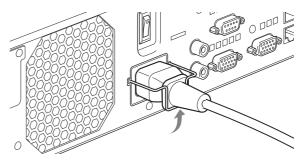


メモ

- ・USB リモコンは、RM-NS1000 および CH Products 社の IP Desktop USB に対応しています。他のリモコ ンはお使いになれません。また、リモコンの接続は 1 台だけにしてください。
- ・USB デバイスを使用する場合は、「使用上のご注意」の「USB ご使用時の注意事項」(56 ページ)をよくお読みになって、使用ください。

電源コードを接続する

電源端子に付属の電源コードを接続します。 電源コードが抜けないように、金具で固定してください。



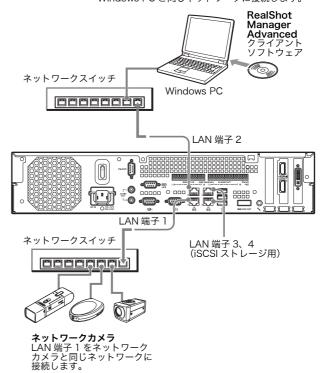
ご注意

- ・設置の前には「安全上のご注意」(55ページ)をよく お読みください。NSR を複数台、または別売の NSRE-S200 と組み合わせてご使用になる場合には、電源の容 量にもお気を付けください。
- ・ NSR-1200/1100/1050H および NSRE-S200 の消費 電流および突入電流は、「設置参考データ」(63 ペー ジ)をご覧ください。

ネットワークに接続する

以下のようにネットワークに接続します。

リモートクライアント LAN 端子 2 をリモートクライアントとして使用する Windows PC と同じネットワークに接続します。



リモートクライアントの接続について

リモートクライアントが必要な場合は、本機に付属の RealShot Manager Advanced クライアントソフトウェ アを使用できます。

- ・RealShot Manager Advanced は、本機に付属のものを使用してください。RealShot Manager Advanced のインストーラーを本機から取り出す手順は、「NSR 本体に収録されているファイルをダウンロードするには」(59ページ)をご覧ください。インストール方法やNSR との接続方法、その他については、RealShot Manager Advanced『インストレーションガイド』(PDF)をご覧ください。
- RealShot Manager Advanced クライアントソフト ウェアは、Windows コンピューターで動作します。推 奨スペックなどの詳細については、RealShot Manager Advanced クライアントソフトウェアのイン ストールアーカイブに収められているリリースノートを 参照してください。
- ・NSR のリモートコントローラーとして RealShot Manager Advanced を使う場合は、インストール時に [Client] を選択してください。
- ユーザーエリアのネットワークに接続する場合も、 LAN 端子2に接続してください。
- ・RealShot Manager Advanced クライアントソフトウエアを利用するときの NSR 側の設定については、「RealShot Manager Advanced クライアントソフトウエアを利用するときの設定」(79ページ)をご覧ください。

LAN 端子 3、4(iSCSI ストレージ用)について

LAN 端子 3 と LAN 端子 4 はチャネルボンディング (ネットワークの二重化) されているため、割り当てられる IP アドレスは 1 つです。

ご注意

NSRE-S200 と同時に使用しないでください。

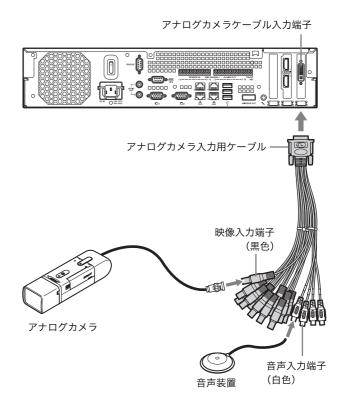
メモ

- ・本機の工場出荷時の IP アドレスは、以下のように設定 されています。
 - LAN 端子 1:「192.168.0.1」
 - LAN 端子 2:「192.168.1.1」
 - LAN 端子 3:「192.168.2.1」
 - LAN 端子 4:「192.168.2.1」
- ・工場出荷時のIPアドレスを変更したいときは、『ユーザーガイド』(PDF)を参照してください。

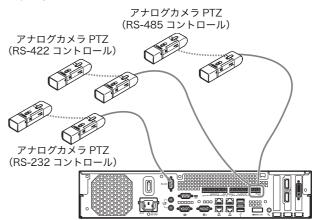
アナログカメラを接続する

付属のアナログカメラ入力用ケーブルを使って、アナログカメラを接続します。

パン、チルト、ズームを行う場合は、RS-232C 端子または RS-422/485 端子(アラーム出力端子の右側 4 ピン)のどちらか一方にカメラコントロール用のケーブルを接続します(RS-232C、RS-422、RS-485 は、それぞれ同時使用はできません)。



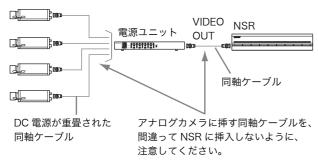
接続例)



ご注意

ビデオ同軸ケーブルに DC 電源を重畳するカメラと電源 ユニットをお使いの際には、同軸ケーブルの配線にご注 意ください。カメラに接続する DC 電源が重畳された ケーブルを NSR に接続すると故障の原因になります。

アナログカメラ



メモ

- ・アナログカメラケーブル入力端子は、NSR-1050H に は標準で装備されていますが、NSR-1200/1100 の場合は NSBK-A16/A16H(オプション)の増設が必要です。
- ・パン、チルト、ズームを行う場合は、各アナログカメラで重複しないように、コントロール番号を設定する必要があります。コントロール番号の設定に関しては、アナログカメラのマニュアルをご覧ください。
- ・RS-422/485 端子のピン配列については、「I/O ポートのピン配列」 (85 ページ) をご覧ください。

NSRE-S200 を接続する

別売の NSRE-S200 に付属のミニ SAS ケーブルを使って、以下のように NSR-1200/1100/1050H と NSRE-S200 を接続します。

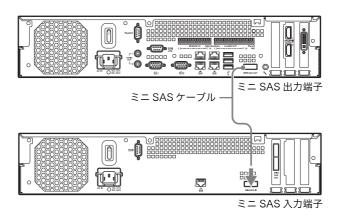
NSR-1200/1100/1050H には、最大 7 台の NSRE-S200 を接続できます。

接続構成については、「NSRE-S200 の接続例」 (83 ページ) をご覧ください。

ご注意

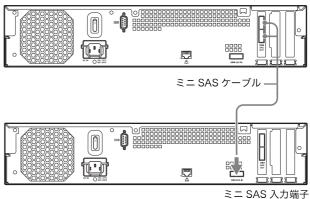
NSR-1200/1100/1050H、NSRE-S200 ともに、必ず接続を行ってから電源を入れてください。

NSR-1200/1100/1050H と NSRE-S200 を接続する



NSRE-S200 同士を接続する

ミニ SAS 出力端子



ご注意

- ・ iSCSI ストレージと同時に使用しないでください。
- ・ミニ SAS ケーブルは抜けないように気をつけて接続してください。運用中にミニ SAS ケーブルが抜けると、 記録に障害が出る場合があります。ミニ SAS ケーブル を抜き差しする場合は、電源を切ってから行ってください。

その他の機器を接続する

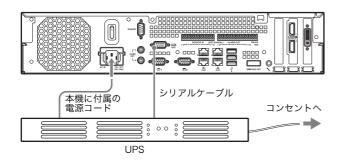
センサー入力・アラーム出力を接続する

センサー入力端子とアラーム出力端子にワイヤーを接続 します。

詳しくは、「I/O ポートについて」(85 ページ)をご覧ください。

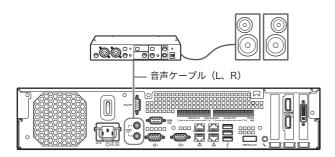
UPS(無停電電源装置)を接続する

- 1 UPS を電源に接続する。
- **2** 付属の電源コードを使って、本機と UPS を接続する。
- **3** UPS 専用のシリアルケーブルを使って、本機と UPS を背面の UPS 端子に接続する。



音声出力用機器を接続する

オーディオ出力端子(L/R)に音声出力用機器を接続します。



Step 3 設定する

電源を入れ、手動でカメラなどのデバイスを登録する流 れを大まかに説明します。

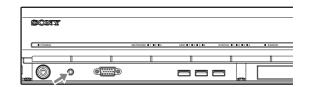
電源を入れる

本機前面または後面の電源スイッチを押すと、電源が入ります。別売の NSRE-S200 と接続している場合は、NSRE-S200 の電源が立ち上がった後に、本機の電源を入れてください。

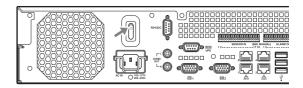
ご注意

複数の NSR および NSRE-S200 でシステムを構成する場合は、突入電流を考慮して電源の配線を行ってください。突入電流に関しては、「設置参考データ」(63 ページ)を参照してください。

前面の電源スイッチ



後面の電源スイッチ



電源が入ると、本機前面の POWER LED が緑色に点灯します。

初めて電源を入れたときは、自動的にセットアップウィザードが起動します。

次の「セットアップウィザードで初期設定を行う」に進んでください。

メモ

- ・電源を入れた直後(約2秒間)にファンの大きな音がしますが、これは故障ではありません。
- ・システムの操作でシャットダウンしたときは、本機前面 の電源ボタンか後面の電源スイッチを押して、電源を入 れてください。
- ・ 前回異常終了した場合は、起動するまでに時間がかかる ことがあります。

電源を切るには

NSR にログオンし、メイン画面上部の ******* をクリック して表示されるメニューから [シャットダウン] を選択 します。

メモ

通常、数分で電源が切れます。しばらくたっても電源が切れない場合は、NSR 後面の電源スイッチを 也 の方向に 5 秒以上押して、強制的に電源を切ってください。

セットアップウィザードで初期設定 を行う

ここではセットアップウィザードの流れを大まかに説明します。設定項目の詳細については、『ユーザーガイド』(PDF)の「「セットアップメニュー」で初期設定を変更する」をご覧ください。

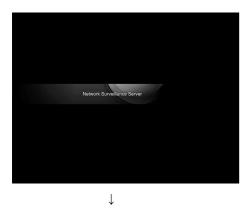
セットアップウィザードは、初めて本機の電源を入れたときに、自動的に起動します。以降は、「ログオン」画面から「管理メニュー」-「セットアップメニュー」画面を呼び出すことで、同等の設定が行えます。

呼び出しかたは、「「ログオン」画面から「セットアップメニュー」画面を呼び出すには」(76ページ)をご覧ください。

ご注意

この取扱説明書では、画面に表示される項目の一部を日本語で説明しています。

電源を入れると、以下の画面が表示された後、セット アップウィザードが起動します。



[Next] をクリックする。



ソフトウェア使用許諾書をよく読み、[Accept] を チェックして、[Next] をクリックする。



画面に表示する言語を選択し、[Next] をクリックする。



キーボードの言語を選択し、[次へ]をクリックする。

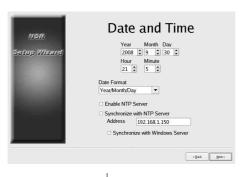


タイムゾーンを選択し、「次へ」をクリックする。

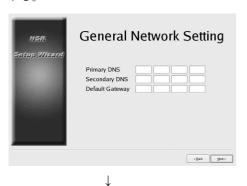


日付と時刻を設定し、[次へ]をクリックする。

- ・ [Enable NTP Server] にチェックマークを付けると、 本機が NTP サーバーとなって時刻の同期を行うことが できます。
- ・ [Synchronize with NTP Server] にチェックマーク を付けると、他の NTP サーバーの時刻に同期すること ができます。
- ・NTP サーバーとして Windows サーバーを使用したと きに時刻の同期ができない場合は、[Synchronize with Windows Server] にチェックマークを付けるこ とにより、Windows の NTP サーバーに強制的に時刻 同期をするようになります。



各サーバーの IP アドレスを入力し、[次へ] をクリック する。



LAN 端子 1 の IP アドレスを設定し、[次へ] をクリックする。



LAN 端子 2 の IP アドレスを設定し、[次へ] をクリックする。



LAN 端子 3 の IP アドレスを設定し、[次へ] をクリックする。



モニター1を設定し、「次へ」をクリックする。

- ・ [Auto] を選択すると、接続されているモニターの 種類と解像度を自動検出して設定します。 対応解像度については「必要なシステム」(58ページ) をご覧ください。
- ・本機に2台のモニターを接続して使用する場合は、 [Dual Head] にチェックマークを付けます。



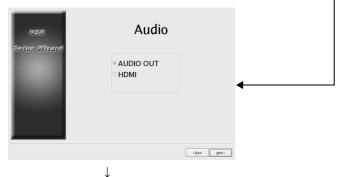
メモ

HDMI モニターに接続する場合、映像データの解像度と モニターの解像度を同じに合わせても、はみ出し防止の ため映像が縮小されて表示され、文字がにじんだり映像 がつぶれたりすることがあります。[Dot By Dot] に チェックマークを付けると、拡大/縮小などの処理を加 えずに映像データの1ピクセルをモニターの1ドットに 対応させて表示しますので、よりきれいな画質で表示で きる場合があります。なお、モニター側の設定が必要な 場合もありますので、お使いのモニターの取扱説明書を あわせて参照してください。

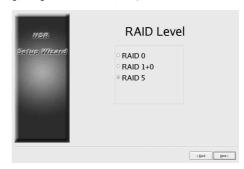
モニターを2台使用する場合は、モニタ2も設定する。 2番目のモニターを設定した場合は、設定終了後、2番目 のモニターを接続した状態での再起動が必要です。



使用する音声出力端子を選択し、[次へ]をクリックする。



内蔵ハードディスクドライブの RAID タイプを選択し、 「次へ」をクリックする。



メモ

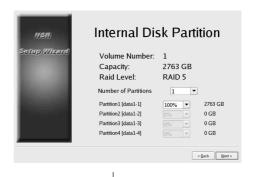
この画面は、RAID Level の変更に対応しているモデルの み表示されます。

ご注意

RAID Level を変更すると、ウィザードの終了後に RAID の再構築が実行されます。RAID の再構築には、Level と 容量により数時間かかる場合があります。

内蔵ハードディスクドライブのパーティションを設定し、 [次へ] をクリックする。

パーティションの数と、各パーティションに割り当てる容量を%で指定します。



サーバー名を設定し、[次へ]をクリックする。



アナログカメラの接続に関する設定をし、[次へ] をクリックする。

コントロールしたいアナログカメラと接続するシリアル 規格を選択し、通信ボーレートやパリティなどを設定し ます。

(この画面は、NSR-1050H または NSBK-A16/A16H (オプション) が装着されている場合に表示されます。)

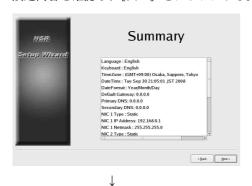


接続するアナログカメラのビデオフォーマットを選択し、 [次へ] をクリックする。

(この画面は、NSR-1050H または NSBK-A16/A16H (オプション) が装着されている場合に表示されます。)



設定内容を確認し、[次へ]をクリックする。



再起動の確認メッセージが表示されたら、[終了] をクリックする。



本機が再起動します。

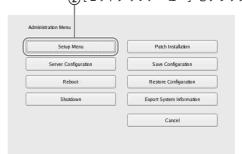
「ログオン」画面が表示されます。 次の「ログオンする」に進んでください。

「ログオン」画面から「セットアップメ ニュー」画面を呼び出すには

① [管理メニュー] をクリックする。



②[セットアップメニュー]をクリックする。



 \downarrow

パッチファイルが存在する場合には

ソニーから配布されたパッチファイルを NSR シリーズに インストールできます。

パッチファイルは、NSR シリーズでサポートするカメラが追加されたときや機能追加されたときなどに配布されます。パッチファイルをインストールし、最新のソフトウェアで運用することをおすすめします。

パッチファイルのインストールについては、「パッチファ イルをインストールする」(81ページ)をご覧ください。

ログオンする

ユーザー名とパスワードを入力し、[ログオン] クリック します。

初期設定ユーザー:admin 初期パスワード:admin



ログオンに成功すると、「カメラ自動登録」ダイアログが 表示されます。

次の「簡単設定を行う」に進んでください。

簡単設定を行う

ここでは、自動検出されたデバイスを選んで登録し、アラーム記録を設定する流れを説明します。自動検出されたデバイスを一括して登録する手順については、『ファーストステップガイド』(別紙)をご覧ください。

カメラを登録する

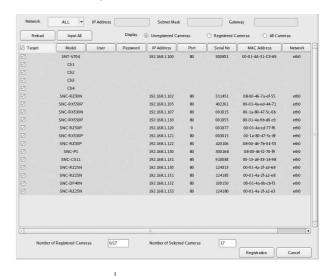
[カメラ一括登録画面を開く] を選択し、[OK] をクリックする。



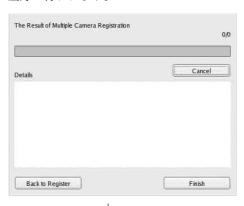
同一セグメントのネットワークに存在するデバイスが自 動検出されます。

登録するカメラにチェックマークを付け、[登録] をク リックする。

設定項目の詳細は、『ユーザーガイド』(PDF)の「デバイスを登録する」をご覧ください。

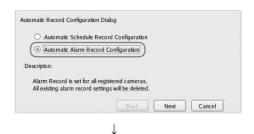


登録が行われます。



アラーム記録を設定する

[アラーム記録自動設定] を選択し、[次へ] をクリックする。



確認メッセージが表示されます。 [次へ] をクリックする。



設定内容を確認し、[終了]をクリックする。



アラーム記録が開始されます。 設定が終了すると、メイン画面が表示されます。



簡単設定を行うと、各項目が以下の値に設定されます。

設定項目	スケジュール記録	アラーム記録
画像サイズ	カメラが対応している	[映像] タブのアラーム
	最大の画像サイズ ¹⁾	/イベント記録で設定
		された値による
コーデック	[映像] タブのスケ	[映像] タブのアラーム
	ジュール記録で設定さ	/イベント記録で設定
	れた値による	された値による
フレームレート	記録データの保存期間	[映像] タブのアラーム
	による ¹⁾	/イベント記録で設定
		された値による
画質	50%1)	[映像] タブのアラーム
	レベル 3(5 段階設	/イベント記録で設定
	定のカメラ)	された値による
	レベル 5(10 段階設	
	定のカメラ)	
ビットレート	記録データの保存期間	[映像] タブのアラーム
	による ¹⁾	/イベント記録で設定
		された値による
記録のトリガー	_	VMD (カメラ)
		カメラが非対応のとき
		はVMD (レコー
		ダー)
		JPEG の場合:
		標準モード
		MPEG4、H.264 の
		場合:
		高性能モード
データ保存先	既存の設定から変更さ	既存の設定から変更さ
	れません。 ²⁾	れません。 ²⁾
音声	[音声] タブの設定によ	[音声] タブの設定によ
	る	る
データ上書き	既存の設定から変更さ	既存の設定から変更さ
	れません。	れません。
クリーンアップ	保存期間が過ぎたデー	既存の設定から変更さ
	夕を削除	れません。

- 1) カメラの機種によっては、「映像」タブのスケジュール記録で設定された値がそのまま使用されます。
- 2) ユーザーがカメラの記録先の設定を行っていない場合は、本 機の内蔵ハードディスクドライブの最初のパーティションの 容量を使って各種設定項目が算出されます。設定を行ってい る場合は、それぞれの記録先の容量を使って各種設定が行わ れます。

ご注意

- ・すでにスケジュール記録やアラーム記録が設定されている場合に「記録自動設定」を実行すると、自動設定の内容に変更されます。
- ・カメラの記録先を変更した場合は、設定は自動的に変更 されません。再度簡単設定を行うことで、各設定項目が 再計算されます。

個別に設定が必要な項目について

以下のような場合は、別途設定が必要です。

記録先の設定に関して

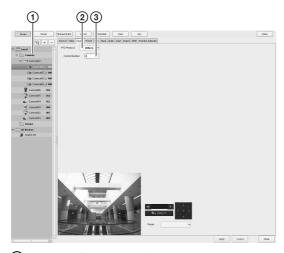
簡単設定では、本機の内蔵ハードディスクドライブの最初のパーティションに記録するように設定されます。 別売の NSRE-S200 に記録する場合や、他パーティションに設定する場合は、『ユーザーガイド』(PDF)をご覧ください。

複数の NSR や RealShot Manager Advanced サーバーでシステムを構築する場合

複数のサーバーにまたがる場合は、別途設定が必要になります。詳しくは『ユーザーガイド』(PDF)をご覧ください。

アナログカメラのパン、チルト、ズーム設定

アナログカメラのパン、チルト、ズームは、「デバイス設定」の [コントロール] タブで、以下のように設定します。



- アナログカメラを選択する。
- ② アナログカメラの設定に合わせてプロトコルを選択する。
- ③ 選択したアナログカメラで設定されているコントロール番号を入力する。

メモ

本設定を行うには、あらかじめセットアップウィザードの「Serial Port」設定で、通信モードが設定されていることが必要です。

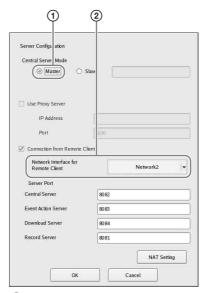
カメラの音声設定

簡単設定では、音声は無効になります。音声を有効にしたい場合は、『ユーザーガイド』(PDF)をご覧ください。

RealShot Manager Advanced クライアントソフトウエアを利用するときの設定

マスターサーバーとなる NSR で、以下の設定を行います。設定について詳しくは、『ユーザーガイド』 (PDF) をご覧ください。

1 「管理メニュー」の「サーバー設定」画面で、以下の内容に設定する。



- ① [セントラルサーバーモード] で [マスター] を 選択する。
- ② [リモートクライアントからの接続] の [リモートクライアントとのネットワークインターフェイス] で、接続用ネットワークインターフェイスを選択する。
- **2** マスターサーバーでユーザーを作成する。 「ユーザー設定」画面で + (追加) をクリックし、 ユーザーを作成します。



Step 4 動作確認を行う

一通りの設定が終了したら、メイン画面でカメラからの 画像が表示されるかなどを確認します。



- ① レイアウトを変更し、登録されたカメラの画像を表示する。
 - 「カメラ」ペインからカメラをモニターフレームにドラッグ&ドロップすると、カメラからの画像を表示できます。
- モニターフレームをクリックしてアクティブ(水色枠)にし、「カメラコントロール」ペインの[コントロール] タブで、パン、チルト、ズーム操作を行う。
- ③ カメラで動体を撮影して、アラームが発生すること を確認する。
 - 簡単設定でアラーム記録設定を行った場合は、モニターフレームに赤枠が表示され、画面下部の「アラーム履歴」表示部に該当履歴が残ります。
- ④ 『モニタリング画面操作ガイド』(別紙)を参照し、 各種操作を行う。
- ⑤ [PLAYBACK] をクリックし、記録を再生する。 [PLAYBACK] をクリックすると、あらかじめ設定 された時間だけ自動的に巻き戻して再生されます (クイックプレイバック)。
 - また、日時を入力して [GO] をクリックすると、記録された画像が再生されます。
- ⑥ 画面右下の [ERROR] ランプをクリックし、問題が 発生していないか確認する。
 - [ERROR] ランプをクリックするとシステムログが表示されますので、問題が発生していないかログの内容を確認します。

メイン画面の操作については、『モニタリング画面操作ガイド』(別紙) および『ユーザガイド』(PDF) をご覧ください。

ご注意

USB デバイスを接続した際に、メイン画面右下の [ERROR] ランプが点灯する場合があります。本機に対応していない USB デバイスである可能性がありますので、「使用上のご注意」(55ページ)および、「故障かなと思ったら」の「USB 接続した機器が動作しない」(87ページ)を参照してください。

RealShot Manager Advanced をリモートクライアントとしてお使いの場合

以下の手順で動作確認を行います。

- 1 RealShot Manager Advanced にログオンする。
 - ・ログオン時にサーバーを指定します。サーバーの アドレスで、ポートはサーバーで設定されたセン トラルサーバーの値を指定してください。なお、 初期値は「8082」です。
 - ・[ユーザー名] と [パスワード] 欄には、「サーバー設定」画面(79ページ)で設定したユーザーのユーザー名とパスワードを入力してください。



- **2** RealShot Manager Advanced のメイン画面で、本機に接続されているカメラをモニターフレームに割り当て、画像を表示できるか確認する。
 - カメラを割り当てるには、2通りの方法があります。
 - 「カメラ」ペインから本機に接続されているカメラをモニターフレームにドラッグ&ドロップする。
 - ・モニターフレームをクリックして選択してから、 「カメラ」ペインでカメラをダブルクリックする。
- **3** 手順2で割り当てたカメラからの画像がモニターフレームに表示されることを確認する。

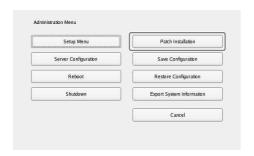
パッチファイルをインス トールする

1 パッチファイルをUSBメモリーやCD/DVDにコピーする。

ご注意

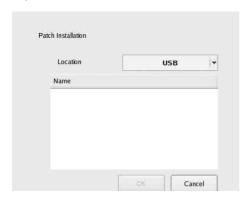
絶対にパッチファイルのファイル名などを変更しないでください。

2 「管理メニュー」画面で、[パッチインストール] を クリックする。



「パッチインストール」画面が表示されます。

3 パッチファイルが格納されているメディアを選択する。



一覧にパッチファイル名が表示されます。

- **4** パッチファイル名を確認し、[OK] をクリックする。 確認メッセージが表示されます。
- **5** メッセージの内容を確認し、[はい] をクリックする。

ご注意

パッチファイルによっては、インストール後、自動的に NSR がリブートします。リブートが必要な場合は、確認画面が表示されます。運用が止められない場合は、「いいえ」を選択してインストールをキャン

セルし、リブートしても問題ないタイミングのとき に再度行ってください。

パッチファイルのインストール中は、以下の画面が 表示されます。



インストールが終了すると、パッチファイルが適用されます。

接続例

モニターの接続例

本機では、モニターの接続パターンが複数あります。以 下に接続例を示します。

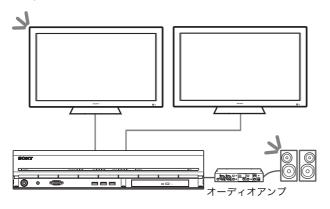
メモ

音声については、RCAとHDMIのどちらで出力するかを「セットアップウィザード」または「セットアップメニュー」の「Audio」画面で選択します。

ご注意

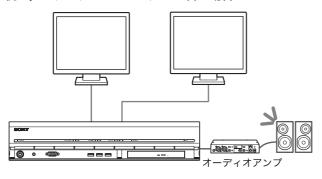
本機を起動する前に、必ずモニターを接続し、モニター の電源をオンにしてください。

例 1) HDMI モニター 2 台の場合



▶ : 音声出力可能な箇所

例 2) アナログ RGB モニター 2 台の場合

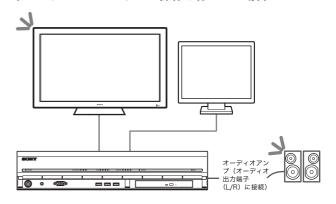


▲: 音声出力可能な箇所

ご注意

- ・HDMI モニター端子 1、2 にモニターを接続しないでください。
- ・本機の起動時は、前面のアナログ RGB モニター端子 1 にモニターを接続しないでください。

例 3)HDMI モニターとアナログ RGB モニターが 1 台 ずつで、HDMI モニターで操作を行いたい場合

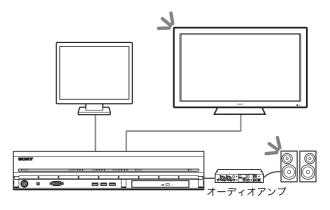


▲: 音声出力可能な箇所

ご注意

HDMI モニター端子 1 とアナログ RGB モニター端子 2 を使って接続してください。

例 4)HDMI モニターとアナログ RGB モニターが 1 台 ずつで、アナログ RGB モニターで操作を行いたい場合



▲: 音声出力可能な箇所

ご注意

アナログ RGB モニター端子 1 と HDMI モニター端子 2 を使って接続してください。

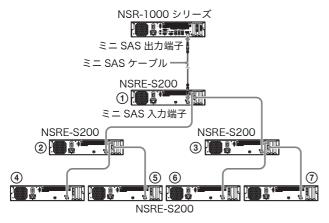
NSRE-S200 の接続例

NSR-1200/1100/1050H では、以下のようなツリー構成で、別売の NSRE-S200 を 7 台まで接続できます。

メモ

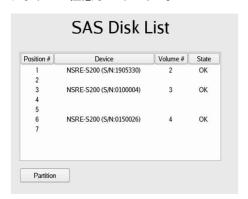
接続に使用するミニ SAS ケーブルは、NSRE-S200 に付属されています。必ず付属のケーブルを使用してください。

NSRE-S200 の増設は、以下の順番で行うことを推奨します。



以下は、Position #1、#3、#6 で接続された場合のリスト表です。

Volume # は、パーティションを設定した順番で表示されますので注意してください。



その他

STATUS LED の見かた

本機にエラーが発生すると、前面の ERROR LED が状況に応じて点滅または点灯し、STATUS LED は点灯します。

STATUS ■1 ■2 ■3 ■4 ■ ERROR

STATUS LED では、以下のようにエラーの状況を示します。

起動中のエラー

(起動中にエラーが発生すると、ERROR LED が点滅します)

(起動中にエフーが発生すると、ERROR LED か点滅します)			
エラー	STATUS LED	ERROR	考えられる原因
コード		LED	
1	1234	⋛点滅	電圧供給に問題があります。
2	1234	二二点滅	CPU ファンの故障です。
3	1234	二二点滅	メモリーモジュールに問題が あります。
4	1234	二点滅	CMOS バッテリーに問題があ ります。
5	1234	二二点滅	ビデオ RAM またはコントロー ラーに問題があります。
6	1234	二二点滅	ハードディスクのコントロー ラーに問題があります。
7	1234	二二点滅	ブート可能なデバイスが見つ かりません。
8	1234	二二点滅	ブート可能な OS が見つかり ません。
9	1234		1 つ以上のハードディスクに 問題があります。
A	1234		RAID OS ボリュームに問題が あります。
В	1234	二二点滅	X11 の起動に失敗しました。
С	1234	二点滅	アプリケーションの起動に失 敗しました。
D	1234	二点滅	未使用
Е	1234	二点滅	未使用
F	1234	二二点滅	RAID データボリュームに問 題があります。

STATUS LED および ERROR LED は、点灯を ▮で示し ています。

作動中のエラー

(作動中にエラーが発生すると、FRROR LFD が点灯します)

UF到什	ルエフーか発生	±りると、I	ERROR LED が点灯します)
エラー コード	STATUS LED	ERROR LED	考えられる原因
1	1234	点灯	機内温度に問題があります。
2	1234	点灯	CPU ファンに問題があります。
3	1234	点灯	電源のファンに問題があります。
4	1234	点灯	電圧供給に問題があります。
5	1234	点灯	ハードディスクファン 1 に問 題があります。
6	1234	点灯	ハードディスクファン 2 に問 題があります。
7	1234	点灯	ハードディスクに障害がありま す。
8	1234	点灯	未使用
9	1234	点灯	未使用
A	1234	点灯	未使用
В	1234	点灯	OS の動作に異常があります。
С	1234	点灯	アプリケーションの動作に異常があります。
D	1234	点灯	「メイン」画面の [ERROR] ランプが点灯しています。
Е	1234	点灯	RAID データボリュームに異 常があります。
F	1234	点灯	RAID データボリュームを再 構築しています。

1/0 ポートについて

I/O ポートのピン配列

センサー入力

Pin NO.	SENSOR IN
1	3.3 v
2	IN_8 -
3	IN_8 +
4	IN_7 -
5	IN_7 +
6	IN_6 -
7	IN_6 +
8	IN_5 -
9	IN_5 +
10	IN_4 -
11	IN_4 +
12	IN_3 -
13	IN_3 +
14	IN_2 -
15	IN_2 +
16	IN_1 -
17	IN_1 +
18	GND

アラーム出力

Pin NO.	ALARM OUT
1	GND
2	OUT_8 -
3	OUT_8 +
4	OUT_7 -
5	OUT_7 +
6	OUT_6 -
7	OUT_6 +
8	OUT_5 -
9	OUT_5 +
10	OUT_4 -
11	OUT_4 +
12	OUT_3 -
13	OUT_3 +
14	OUT_2 -
15	OUT_2 +
16	OUT_1 -
17	OUT_1 +
18	GND

RS-422/485

Pin NO.	RS-422	RS-485
19	TX -	TX -
20	TX +	TX +
21	RX -	
22	RX +	

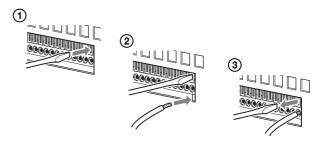
I/O ポートの接続方法

以下のようにして、センサー入力端子とアラーム出力端 子にワイヤーを接続します。

ワイヤー (AWG No.26~20) を接続したい穴の上、または下のスロットにマイナスドライバーを差し込み、ワイヤーを差し込んでから、マイナスドライバーを引き抜く。

ご注意

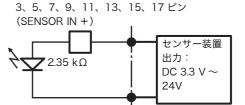
マイナスドライバーは、極端に強く差し込まないでください。 故障の原因となります。



同じ手順で、必要なワイヤーをすべて接続します。

センサー入力への配線図 1

本機内部 外部



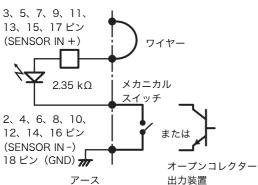
2、4、6、8、10、12、14、16ピン (SENSOR IN -)

センサー入力への配線図2

本機内部

外部

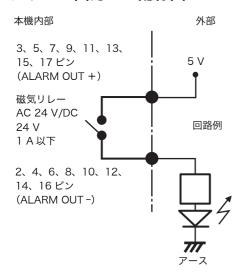
1 ピン (VDD) (最大 200 mA)



ご注意

配線図2の回路を使用した場合は、NSRと電気的に絶縁 されなくなりますので、ノイズや過電圧、過電流を発生 しない外部回路を構成してください。

アラーム出力への配線図



故障かな?と思ったら

まず初めに、下記の項目をもう1度チェックしてみてください。それでも解決しないときは、お買い上げ店またはソニー業務用商品相談窓口にご相談ください。

本機が起動しない

- 本機の電源スイッチがオンになっているか確認してください。
- ・電源コードが正しく接続されているか確認してください。
- ・お使いのコンセントに他の機器を接続してみるなどして、コンセントが通電しているか確認してください。
- ・本機前面の HDD LED で、ハードディスクがアクセス 中でない (HDD LED が点滅していない) ことを確認 してから、本機背面の電源スイッチを () の方向へ長押 し (10 秒程度) して強制的に電源を切ってください。 電源を切った後、再度電源を入れてください。
- ・本機では、起動中にファイルシステムをチェックしますが、使用容量に応じてチェックにかかる時間が長くなります。使用状況によっては、2時間以上かかることもあります。ファイルシステムのチェック中は、本機前面のHDD LED が点滅します。
- ・本機が正しく起動できない場合、以下のような画面が表示される場合があります。

1. HDD Restore
2. DOM Restore
3. Software Restore
4. Reset Monitor Setting
5. Initialize (Factory Use)
6. Reboot the system
7. Shutdown the system
Enter your choice:

この場合、次の手順で確認を行ってください。

- 1. [7. Shutdown the system] を選択し、Enter キーを押す。
 - 電源が切れます。
- 2. 「ハードディスクにアクセスできない」を参照 し、ハードディスクが正しく接続されているか 確認する。
- 3. 電源を入れ直し、正しく起動するか確認する。

モニターに何も表示されない

- ・ 本機の電源スイッチがオンになっているか確認してください。
- ・電源コードが正しく接続されているか確認してください。
- ・モニターケーブルが正しく接続されているか確認してください。モニターがモニター端子 1 に接続されているか確認してください。
- ・モニターの解像度に対して間違って解像度を高く設定してしまった場合、「out of range」と表示される場合があります。Ctrl キーと Alt キー、- (マイナス) キーを同時に何度か押して、出力されている画像の解像度を下げてください。モニターに合った解像度になると、画面が表示されます。その後メニューからシステムを再起動し、正しい解像度を設定し直してください。詳しくは『ユーザーガイド』(PDF)をご覧ください。

HDMI モニター端子に接続したモニターが正常に映らない

- ・HDMI モニターの入力切り替えをしたり、ケーブルの 抜き差しをすると、まれに映像が正常に映らない場合が あります。その場合は、以下を行ってみてください。
 - 1. モニターの入力を切り替える。
 - 2. モニターの電源を入れ直す。

メモ

上記を行っても復帰しない場合は、いったん HDMI ケーブルを取りはずし、アナログ RGB モニターを使用して運用を続けてください。運用を止められるタイミングがきたら、本機を再起動し、再度 HDMI モニターを接続してみてください。

外部接続機器が正しく動作しない

・ケーブルが正しく接続されているか、ピンが折れたり曲 がっていないかなどを確認してください。

USB 接続した機器が動作しない

- ・USB デバイスを接続した際に、メイン画面右下の [ERROR] ランプが点灯する場合があります。本機に 対応していない USB デバイスである可能性があります ので、以下の手順で確認してください。
 - 1. [ERROR] ランプをクリックする。 システムログが表示されます。
 - 2. システムログの中に「Unsupported USB device」というエラーが表示されていないか確認する。
 - 「Unsupported USB device」が表示されている場合は、この USB デバイスは本機に対応していません。
- ・USBメモリーは、一般的な USB 2.0 マスストレージに 対応しています。USB 2.0 マスストレージでも一部の

- 製品によっては、データの書き込みの際にエラーとなる 可能性があります。書き込みの際にエラーが発生した場 合には、別の機種の USB メモリーをお使いください。
- ・USB デバイスを正しくご使用いただくために、USB ハ ブ経由などでなく本機の USB コネクタに直接接続して お使いください。USB ハブ、延長ケーブル経由でご使 用の場合は、動作保証いたしません。
- ・接続する USB 機器の説明書を参照してください。

DVD/CD が読めない

- ・ディスクの種類を確認してください。
- ・ DVD/CD が正しく DVD/CD ドライブに挿入されているか確認してください。
- ・ DVD/CD が汚れていないか、傷が付いていないか確認 してください。

DVD/CD ドライブのトレイが出てこない

- ・本機の電源がオンになっているか確認してください。
- ・ 先の細いもの(クリップの先をのばしたものなど)を、 DVD/CDドライブのイジェクト穴に入れ、トレイが排出されるまでゆっくりと押し込んでください。

NETWORK LED が点灯しない

・ネットワークケーブルが正しく接続されているか確認してください。

ハードディスクにアクセスできない

- ハードディスクドライブが正しく取り付けられているか 確認してください。
- ・本機前面の HDD LED で、どのドライブに異常がある かを確認してください。ハードディスクが故障している ときは、該当するハードディスクの LED がアンバー色 に点灯します。
- ・ハードディスクへのアクセスが頻繁になると、HDD LEDが高速で点滅するため、明るい場所では消えているように見えることがあります。

リモートクライアントから本機にアクセスできない

- ・本機が正しく動作しているか (ハードディスク、ネットワーク、ソフトウェアなどに異常がないか)確認してください。
- ・ 本機のセントラルサーバーの設定が正しいか確認してく ださい。
- ・本機のリモートクライアントとのネットワークインター フェースの設定が正しいか確認してください。
- ・RealShot Manager Advanced のユーザー名、パス ワードおよび接続ポート (IP アドレスまたはホスト名、 およびポート番号) が正しいか確認してください。
- ・RealShot Manager Advanced のユーザーガイドのトラブルシューティングを参照してください。

すぐに温度が上昇する

・前面、側面、背面の通風孔がふさがれていたり、通風孔 にほこりがたまっていないか確認してください。

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<signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice

That's all there is to it!

仕様

NSR-1200/1100/1050H

プロセッサー

CPU NSR-1200 : Quad Core Xeon

NSR-1100 : Dual Core Xeon NSR-1050H : Dual Core Xeon

メモリー

オンボードフラッシュメモリー

4 GB

内蔵メモリー

NSR-1200: 2 GB NSR-1100: 1 GB NSR-1050H: 1 GB

記憶装置

内蔵ハードディスクドライブ DVD/CDドライブ(前面)

1台

対応メディア:DVD+R、DVD-R、

DVD-ROM, CD-R, CD-RW, CD-ROM

外部コネクター

前面 モニター出力:

アナログ RGB (ミニ D-SUB 15 ピン) (1)

USB: USB 2.0 (3)

背面 モニター出力:

アナログ RGB (ミニ D-SUB 15 ピン) (2)

HDMI(2)

音声出力(L)(1)

音声出力(R)(1)

マイク入力(1)

LAN 端子(1000Base-T/100Base-TX/

10Base-T) (RJ-45) (4)

USB: USB 2.0 (3)

ミニ SAS 出力(別売の NSRE-S200 接続用、 Mini SAS x4 (SFF-8088)、3.0 Gbit/s)

(1)

センサー入力 (DC 3.3 V ~ 24 V デバイス対

応、フォトカップラー入力、本体とは電気

的に絶縁)(8)

アラーム出力(最大 DC24 V、1 A)

(メカニカルリレー出力、本体とは電気的に

絶縁) (8)

UPS 用シリアル端子: RS-232C (1)

アナログカメラコントロール用端子(NSR-1050H および NSBK-A16/A16H 搭載時 のみ有効):RS-232C(1) RS-422/485(1)

使用環境

動作温度:5~40℃

動作湿度:20~80%(最大湿球温度:30℃)

(結露のないこと)

保存温度: -20~+60℃

保存湿度:20~90% (最大湿球温度35℃、結露のな

いこと)

電源・その他

電源: AC 100-127 V / 200-240 V (50/60 Hz)

消費電力:最大350 W

外形寸法: 430 (W) × 87 (H) × 417 (D) mm

(突起含まず)

本体重量: NSR-1200 約 13.5 kg

NSR-1100 約 12 kg NSR-1050H 約 11.5 kg

別売りアクセサリー

ラックマウントキット NSR-RM1 システムコントローラー RM-NS1000 アナログエンコーダーキット NSBK-A16/A16H 拡張ストレージユニット NSRE-S200

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- Le logiciel fourni avec l'enregistreur ne peut pas être utilisé avec d'autres enregistreurs.
- Il est impossible d'installer dans l'équipement un autre logiciel que celui fourni par Sony pour être utilisé avec cet équipement.
- Notez que les caractéristiques de l'enregistreur et du logiciel fourni sont sujettes à modifications sans préavis pour amélioration.
- L'enregistreur utilise MD5 à haute sécurité pour la sauvegarde de mot de passe.

Décharge de responsabilité pour les contenus enregistrés

Sony Corporation décline toute responsabilité quelle qu'elle soit pour de quelconques problèmes provenant d'une panne d'enregistrement, ou d'un dommage ou d'un effacement du con-tenu enregistré sur cet appareil, quelle qu'en soit la raison. Cela inclut les réclamations pour un dédommage-men du contenu enregistré, et pour tout dommage concomitant ou indirect. Sony Corporation ne réparera, ne restaurera ou ne dupliquera aucun contenu enregistré. Votre utilisation de ce produit est sujette à ces conditions.

Avant de lire ce manuel

Assurez-vous de lire le supplément « Règlements de sécurité ».

Précautions d'utilisation

Importantes informations concernant la sécurité

- Veillez bien à raccorder l'appareil à une source d'alimentation conforme à ses caractéristiques.
- Utilisez uniquement le cordon d'alimentation fourni. N'enroulez pas le cordon d'alimentation et ne le regroupez pas avec d'autres cordons. Ne superposez pas les connexions. Le non-respect des courants nominaux entraîne un risque d'incendie ou d'autres accidents.
- Assurez-vous que toutes les prises murales et tous les cordons d'alimentation sont correctement mis à la terre.
- N'utilisez pas l'appareil si son couvercle ou son boîtier est ouvert ou a été retiré. Sinon, il existe un risque d'incendie ou de choc électrique. N'essayez pas d'ouvrir le couvercle ou le boîtier vous-même. Contactez toujours votre fournisseur, s'il est nécessaire d'ouvrir l'appareil.

Importantes informations concernant l'installation

Endroits où l'appareil peut être utilisé/rangé

Pour prolonger la durée de vie de l'appareil, évitez de l'utiliser ou de le ranger dans les endroits suivants :

- endroits soumis à des températures extrêmes. (Je suis les spécifications de cet appareil par tous les moyens et s'il vous plaît l'utilise.);
- endroits exposés de manière prolongée à la lumière directe du soleil et près d'appareils de chauffage.
 (Notez que la température d'été à l'intérieur d'une voiture fermée peut dépasser +50 °C/+122 °F);
- endroits très humides ou poussiéreux ;
- endroits soumis à de fortes vibrations ;
- endroits soumis à de forts champs magnétiques ;
- à proximité d'émetteurs radio ou TV produisant un fort champ magnétique.

N'obstruez pas les orifices de ventilation

- Les orifices de ventilation sur les côtés de l'appareil empêchent toute surchauffe interne. Laissez toujours un espace d'au moins 10 cm de chaque côté ainsi qu'à l'arrière et au-dessus de l'appareil.
- N'utilisez pas l'appareil dans un endroit fermé ou tout autre espace confiné.

- Assurez-vous qu'aucun câble ni qu'aucun autre objet ne se trouve près de l'ouverture de ventilation à l'arrière de l'appareil. Si l'ouverture est bloquée, cela risquerait d'entraîner une surchauffe interne susceptible de causer un incendie ou des dommages.
- De plus, si l'appareil est installé dans un rack, veillez à ce que la ventilation à l'arrière de l'appareil et les ouvertures de ventilation à l'avant ne soient pas bloquées par des câbles ou d'autres objets. N'installez pas l'appareil dans un environnement non-conforme aux conditions ci-dessus.

Utilisez l'appareil en position horizontale

- L'appareil est conçu pour fonctionner uniquement à l'horizontale.
- N'installez pas l'appareil sur une surface inclinée et protégez l'appareil contre tout choc.
- Si l'appareil tombe ou s'il est sujet à des chocs violents, il risque d'être sérieusement endommagé.
- Lors de l'installation de l'appareil dans un rack, maintenez-la à l'horizontale. Si l'appareil n'est pas correctement positionné, il risque de mal fonctionner. De plus, il est fortement recommandé de fixer correctement le rack à un mur ou un autre support, de sorte qu'il ne tombe pas.

Entretien

- Avant de nettoyer l'appareil ou d'effectuer toute autre tâche d'entretien, déconnectez le cordon d'alimentation de la prise murale.
- Pour nettoyer l'appareil, essuyez légèrement le boîtier et les panneaux à l'aide d'un chiffon sec. Pour éliminer les taches tenaces, humidifiez légèrement le chiffon avec un détergent neutre non agressif, puis essuyez à l'aide d'un chiffon sec.
- N'utilisez pas de nettoyant à l'alcool, de solvant, d'essence, d'insecticide ou d'autre substance volatile, car cela risque d'attaquer la finition et d'entraîner une décoloration.
- De la poussière peut s'accumuler dans les ouvertures de ventilation sur l'avant de l'appareil. Lorsque vous enlevez la poussière, veillez à ne pas soumettre l'appareil à des chocs ou à des vibrations.

Transport

Utilisez le matériel d'emballage d'origine ou un emballage similaire pour protéger l'appareil des chocs.

Précautions pour les appareils avec lecteur de disque dur intégré

Cet appareil est équipé d'un lecteur de disque dur (HDD) interne. Il s'agit d'un appareil de précision. En cas de choc, de vibrations, d'électricité statique et de température ou d'humidité élevée, une perte de données risque de se produire. Observez attentivement les précautions suivantes lors de l'installation et de l'utilisation de l'appareil.

Protection contre les chocs et les vibrations

En cas de chocs ou de vibrations, le lecteur de disque dur risque d'être endommagé et une perte de données est susceptible de se produire.

- Lors du transport de l'appareil, utilisez le matériel d'emballage spécifié. Lors du transport sur un diable ou un autre appareil similaire, utilisez un type de dispositif amortissant les vibrations excessives. Les chocs et vibrations excessifs risquent d'endommager le lecteur de disque dur.
- Ne déplacez jamais l'appareil lorsque celui est sous tension. De plus, avant de retirer l'appareil d'un rack ou de l'y insérer, vérifiez que l'alimentation électrique est coupée.
- Protégez des chocs tous les appareils équipés de lecteurs de disque dur intégrés se trouvant dans le rack.
- Avant de retirer l'appareil d'un rack ou de l'y insérer, vérifiez que l'alimentation de tous les appareils équipés de lecteurs de disque dur intégrés se trouvant dans le rack est également coupée.
- Ne retirez pas les panneaux ou les parties externes de l'appareil.
- Si vous placez l'appareil sur le sol ou sur toute autre surface, vérifiez qu'il est équipé des pieds spécifiés et posez l'appareil avec précaution. En l'absence de pieds, commencez par monter les pieds spécifiés. Ne placez pas l'appareil près d'autres appareils susceptibles de provoquer des vibrations.

Attendez 30 secondes après avoir mis l'appareil hors tension

Les plateaux à l'intérieur du lecteur de disque dur intégré continuent à tourner pendant un court instant après la mise hors tension et les têtes de lecture se trouvent en position dangereuse. Pendant ce court instant, l'appareil est plus sensible aux chocs et aux vibrations qu'en fonctionnement normal. Evitez de soumettre l'appareil à des chocs, même très légers, pendant au moins 30 secondes après la mise hors tension. Ensuite, le disque dur s'arrête complètement et l'appareil peut être déplacé.

Précautions relatives à la température et à l'humidité

Utilisez et rangez l'appareil uniquement dans des endroits respectant les plages de températures et d'humidité spécifiées. (Je suis les spécifications de cet appareil par tous les moyens et s'il vous plaît l'utilise.)

En cas de lecteur de disque dur défectueux

Même si le lecteur de disque dur intégré montre des signes de problème de fonctionnement, veuillez observer toutes les précautions ci-dessus. Cela évitera d'aggraver les dommages jusqu'à ce que le problème puisse être diagnostiqué et corrigé.

Remplacement du disque dur et d'autres consommables

Le disque dur, le ventilateur et la batterie de l'appareil sont des consommables qui doivent être régulièrement remplacés. Lorsque vous utilisez l'appareil à température ambiante, le cycle de remplacement est d'environ deux à trois ans. Mais ce cycle de remplacement ne représente qu'une indication et ne garantit pas la durée de vie de ces consommables. Pour plus de détails sur le remplacement de ces pièces, veuillez contacter votre revendeur.

Précautions pour l'utilisation de dispositifs USB

- Cet appareil prend en charge les dispositifs de stockage de masse USB 2.0 standard. Il arrive cependant que, selon le type de dispositif de stockage de masse USB 2.0, des erreurs se produisent lors de l'écriture de données sur le dispositif. Si des erreurs se produisent lors de l'écriture de données, utilisez un autre type de dispositif de mémoire USB.
- Pour garantir un bon fonctionnement des dispositifs USB, évitez de raccorder les dispositifs à l'aide d'un concentrateur USB. Raccordez les dispositifs directement aux connecteurs USB de l'appareil. Le fonctionnement n'est pas garanti quand les dispositifs sont raccordés à l'aide d'un concentrateur USB, un commutateur USB ou un câble d'extension.

Vue d'ensemble

La série NSR est un serveur de surveillance réseau pour les caméras en réseau. La série NSR vous permet de contrôler et enregistrer des images JPEG, MPEG-4 et H.264 à partir des caméras en réseau via le réseau. Il vous permet de rechercher et lire les images enregistrées faisant du NSR un sytème de surveillance parfaitement versatile.

Contrôle de caméras compatibles depuis des endroits distants

Vous pouvez effectuer des opérations de panoramique, d'inclinaison et de zoom sur des caméras compatibles.

Compatible avec les caméras analogiques

Vous pouvez surveiller et enregistrer des images de caméras analogiques en les raccordant directement à l'appareil¹⁾.

 Le NSR-1200/1100 nécessite une extension NSBK-A16/ A16H (en option), alors que le NSR-1050H a une NSBK-A16 intégrée.

Les disques durs à grande capacité permettent des enregistrements de longue durée

Comme il est équipé de disques durs à très grande capacité, l'appareil est capable d'enregistrer des images de très haute qualité pendant de longues durées. Pour des exemples de référence, voir « Données de référence pour l'installation » (page 112).

Type Slim (2U), modèle monté sur un châssis de 19 pouces à faible encombrement

Avec le kit de montage en châssis (vendu séparément), l'enregistreur peut être installé sur un châssis 19 pouces à la norme EIA pas universel.

Enregistrement à résolution élevée jusqu'à 480 ips (VGA, JPEG)

Le NSR-1200 prend en charge jusqu'à 64 caméras, le NSR-1100 prend en charge jusqu'à 32 caméras et le NSR-1050H prend en charge jusqu'à 20 caméras. Le NSR-1200 enregistre avec une fréquence d'images totale de 480 ips¹⁾ (240 ips avec le NSR-1100, 120 ips avec le NSR-1050H), avec une résolution VGA (640 × 480 pixels)²⁾ et le format JPEG (1 image d'environ 31 Ko) pour plus de netteté dans les images.

- Fréquence d'images maximale lorsque 16 caméras sont connectées à l'enregistreur. Chaque caméra présente une fréquence d'images d'environ 30 ips. Cette fréquence d'images peut diminuer en raison de la fragmentation des disques durs internes. Les valeurs sont basées sur des mesures de Sony. Ces valeurs ne sont pas garanties, car la performance peut varier en fonction de l'environnement de l'utilisateur.
- 2) En résolution QuadVGA (1 280 × 960), la fréquence d'image est 1/4 de la résolution VGA.

Haut degré de fiabilité

Le NSR-1200 prend en charge RAID 5¹⁾ et présente un haut degré de fiabilité. Le système peut continuer de fonctionner même si l'un des disques durs souffre d'un dysfonctionnement. Le NSR prend en charge les systèmes d'alimentation sans coupure (UPS - uninterruptible power supplies), donc son système est extrêmement fiable.

1) RAID 5 est un système de division et de stockage des données et de parité (codes de correction d'erreur) sur plus d'un disque dur. Bien que le système permette un fonctionnement continu, la récupération de données perdues n'est pas garantie en cas de dysfonctionnement de l'un des disques durs. De plus, en raison des charges de traitement internes élevées pendant la reconstruction qui suit le remplacement d'un disque défectueux, l'appareil peut ne pas être capable d'enregistrer des images avec le taux configuré pendant cette reconstruction.

Autres fonctions

- Le support de disposition personnalisé vous permet d'afficher des images avec différentes dispositions en plus des dispositions 2 x 2 et 3 x 3.
- Le NSR peut faire des enregistrements manuels, programmés et d'alarme, entre autres.
- Le NSR est équipé d'une fonction de détection de mouvement via l'enregistreur¹⁾ (détection vidéo de mouvement (Enregistreur)).
- Recherches d'images enregistrées par nom de caméra, par date, par alarme et par d'autres méthodes.
- Création de zones privées en utilisant les fonctions de masquage dynamique²⁾ du NSR. Le masquage dynamique couvre le panoramique, l'inclinaison et le zoom.
- Un traitement précis des alarmes est rendu possible en effectuant différents types de filtrage³⁾, à l'aide des résultats du traitement d'image envoyés par la caméra, sous la forme de métadonnées d'information objet.
 Puisque le filtrage peut être appliqué aux métadonnées qui ont déjà été enregistrées, vous pouvez aussi rechercher des zones d'intérêt, une fois l'enregistrement terminé.
- L'enregistrement et la relecture⁴ audio de caméras compatibles sont aussi pris en charge.
- Certaines fonctions sont limitées selon le nombre de caméras connectées.
- Certaines fonctions sont limitées selon le modèle de caméra relié.
- 3) Pour exécuter une détection de mouvement et une détection de non-mouvement à l'aide de métadonnées, une caméra qui prend en charge la détection de mouvement par métadonnées est requise. Nous vous recommandons de ne pas utiliser les métadonnées avec plus de 32 caméras.
- 4) Des amplificateurs ou haut-parleurs optionnels sont nécessaires.

Important

Ce manuel ne décrit que l'installation et la configuration du NSR. Pour des explications plus détaillées sur l'utilisation de l'appareil, consultez le guide de l'utilisateur (PDF).

Exigences de système

Le matériel requis pour l'utilisation de cet enregistreur est le suivant.

- Caméras de réseau Sony
 Contactez votre revendeur pour les détails sur les caméras de réseau Sony compatibles.
- Moniteur¹⁾
- Clavier USB²⁾
- Souris USB³⁾
- Télécommande USB⁴⁾
- Interrupteur de réseau
- Câble 1000Base-T/100Base-TX/10Base-T
- Dispositif de mémoire USB⁵⁾
- Cet appareil prend en charge les dispositifs compatibles avec HDMI et les écrans d'ordinateurs qui prennent en charge l'entrée RVB.

Il est possible de déterminer les résolutions suivantes.

- Haute définition totale (1 920 × 1 080)
- WUXGA (1 920 \times 1 200)
- XGA large totale (1.360×768)
- UXGA (1.600×1.200)
- SXGA (1 280 × 1 024)
- XGA (1.024×768)
- 2) Utilisez un clavier USB avec câble. Les touches autres que les touches standard peuvent cependant ne pas fonctionner. Les claviers sans fil ou à infrarouge peuvent aussi ne pas fonctionner correctement.
- 3) Utilisez une souris USB avec câble. Les souris à trois boutons ou à roue peuvent cependant ne pas fonctionner correctement. Les souris sans fil ou à infrarouge peuvent aussi ne pas fonctionner correctement.
- Vous pouvez utiliser une télécommande pour contrôler les opérations de panoramique, d'inclinaison ou de zoom des caméras
 - Cet appareil prend en charge les contrôleur système RM-NS1000 et les contrôleurs USB IP Desktop de CH Products. Les autres télécommandes ne sont pas prises en charge. Ne raccordez pas plus d'une télécommande à la fois.
- 5) Nécessaire lors de la sauvegarde d'informations de système, comme avec les journaux.
 - Cet appareil prend en charge les dispositifs de stockage de masse USB 2.0 standard. Il arrive cependant que, selon le type de dispositif de stockage de masse USB 2.0, des erreurs se produisent lors de l'écriture de données sur le dispositif. Si des erreurs se produisent lors de l'écriture de données, utilisez un autre type de dispositif de mémoire USB.

Contenu de l'emballage

Vérifiez que les éléments suivants sont compris dans l'emballage :

NSR-1200/1100

- NSR-1200/1100 (1)
- Clef de panneau avant (2)
- Manuel d'installation (ce document) (1)
- Guide des premiers pas (1)
- Guide d'opération de la fenêtre de surveillance (1)
- Règlements de sécurité (1)
- Livret de DEEE (1)
- Livret de garantie (1)
- Pieds de caoutchouc (4)

NSR-1050H

- NSR-1050H (1)
- Clef de panneau avant (2)
- Câble d'entrée de caméra analogique (1)
- Manuel d'installation (ce document) (1)
- Guide des premiers pas (1)
- Guide d'opération de la fenêtre de surveillance (1)
- Règlements de sécurité (1)
- Livret de DEEE (1)
- Livret de garantie (1)
- Pieds de caoutchouc (4)

Remarques

- Cet emballage peut contenir un matériel supplémentaire et/ou de la documentation pour ces options.
- Conservez les boîtes et les matériaux d'emballage pour une utilisation ultérieure éventuelle.
- Le kit de mise en rack (NSR-RM1) et les contrôleur système (RM-NS1000) sont optionnel (vendu séparément).

Téléchargement de fichiers stockés sur le NSR

Les documents, comme les modes d'emploi et les outils, sont stockés sur l'unité NSR. Voici la marche à suivre pour télécharger des fichiers stockés sur l'unité NSR.

- 1 Utilisez un client FTP comme Internet Explorer pour déterminer l'URL suivant sur votre ordinateur. ftp://ftptool@<adresse IP du NSR>
- 2 Saisissez le nom d'utilisateur et le mot de passe suivant.

Nom utilisateur :ftptool Mot de passe :ftptool

Remarque

Pour modifier le nom d'utilisateur et le mot de passe, changez la configuration [Enable user to Get Tools from Remote] dans « FTP » du menu Configuration. De plus, si vous changez le nom d'utilisateur, vous devez aussi changer l'adresse qui suit « ftp:// » dans l'adresse URL spécifiée avec les nouveaux paramètres « nom d'utilisateur@<adresse IP du NSR> ».

Les dossiers et fichiers suivants apparaissent sur le

3 Cliquez sur les dossiers qui contiennent les fichiers souhaités.

Dossier

client FTP.

Manual: contient les modes d'emploi (PDF). SourceCode: Contient le code source GPL/LGPL

: Contient le code source GPL/LGPL et d'autres données semblables.

Tool: contient RealShot Manager

Advanced et Media File Player.

Fichier

README.txt: contient des informations sur

chaque dossier.

Les fichiers compris dans chaque dossier s'affichent.

4 Cliquez sur les fichiers que vous souhaitez télécharger.

Utilisation du manuel en PDF

Le NSR stocke les modes d'emplois et autres documents (en japonais, anglais, français, allemand, italien, espagnol, chinois simplifié et russe). Ces manuels sont en format PDF (Portable Document Format).

Préparatifs

Le logiciel suivant doit être installé sur votre ordinateur pour utiliser les modes d'emploi stockés sur le NSR.

• Adobe Reader Version 6.0 ou supérieure

Remarque

Si Adobe Reader n'est pas installé, vous pouvez le télécharger à l'adresse suivante : http://www.adobe.com/

Adobe et Adobe Reader sont des marques commerciales de Adobe Systems Incorporated aux Etats-Unis et/ou dans d'autres pays.

Visualisation de manuels en PDF

- 1 Consultez « 'Téléchargement de fichiers stockés sur le NSR », et téléchargez le manuel dans votre langue dans le dossier « Manual » du NSR.
- **2** Double-cliquez sur le fichier téléchargé.

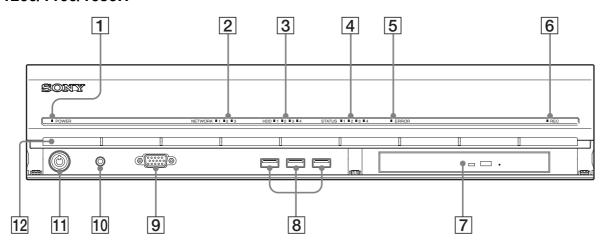
Remarque

Il arrive que, en raison de la version d'Adobe Reader que vous utilisez, le fichier ne s'affiche pas correctement. Si le fichier ne s'affiche pas correctement, téléchargez la version la plus récente d'Adobe Reader depuis l'adresse mentionnée dans « Préparatifs ».

Caractéristiques et fonctions

Avant (Quand le un abri est ouvert)

NSR-1200/1100/1050H



1 Voyant LED d'alimentation

S'allume en vert quand le démarrage est terminé. S'allume en orange quand l'appareil est en mode de veille.

2 Voyant LED de réseau (1 à 3)

S'allume en vert en cas d'activité au connecteur LAN correspondant à l'arrière du NSR.

3 Voyant LED HDD

Clignote en vert lors de l'accès aux disques durs internes.

S'allume en orange si une erreur se produit avec un disque dur.

4 Voyant LED d'état (1 à 4)

S'allume en séquence (1, 2, 3, 4) lors du démarrage du NSR. Si une erreur se produit, le voyant LED d'état correspondant s'allume en même temps que le voyant LED d'erreur, qui s'allume ou clignote pour indiquer le type d'erreur.

Pour les détails, voir « Voyant LED STATUS » (page 133).

5 Voyant LED d'erreur

S'allume ou clignote quand une erreur se produit.

6 Voyant LED REC (enregistrement)

S'allume lors de l'enregistrement d'images.

7 Lecteur DVD/CD

Utilisez ce lecteur pour écrire des données depuis les disques durs du NSR sur DVD ou CD.

8 Connecteur USB

Utilisez ce connecteur pour raccorder un clavier USB, une souris, une mémoire flash USB ou un contrôleur système (RM-NS1000) au NSR.

9 Connecteur de moniteur 1

Utilisez ce connecteur pour raccorder un moniteur. Il n'est pas possible d'utiliser en même temps le connecteur de moniteur 1 (et le connecteur de moniteur 1 à l'arrière de l'appareil) et le connecteur de moniteur HDMI 1 à l'arrière de l'appareil.

10 Interrupteur d'alimentation

Appuyez sur cet interrupteur pour mettre l'appareil sous tension. (Vous ne pouvez pas mettre l'appareil hors tension avec cet interrupteur.)

11 Verrou

Utilisez ce verrou avec la clef de panneau avant fournie pour verrouiller la facette avant. Lorsque la facette avant est verrouillée, vous ne pouvez pas la retirer. Veillez à ne pas verrouiller la facette avant lorsqu'elle est retirée. Vous pouvez distinguer entre la position verrouillée et la position déverrouillée en observant le verrou, comme sur l'illustration ci-dessous.

La facette avant est verrouillée



La facette avant est déverrouillée



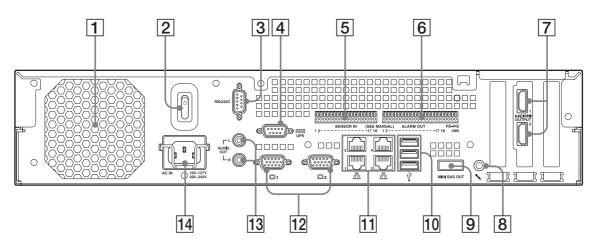
12 Orifices de ventilation

Les orifices permettent à l'air de circuler de l'avant vers l'arrière du NSR.

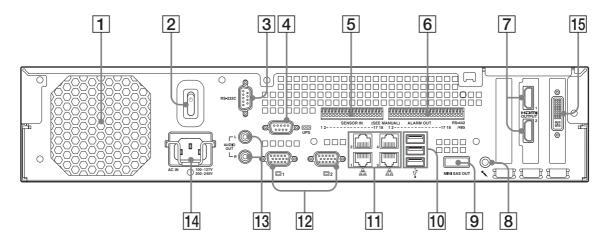
Veillez à ne pas obstruer les orifices de ventilation, à ne pas laisser la poussière s'accumuler dans les grilles internes des orifices et à ne pas empêcher le mouvement de l'air. Si vous empêchez le mouvement de l'air, la chaleur peut s'accumuler dans le NSR et cela peut entraîner un incendie ou des dégâts.

Arrière

NSR-1200/1100



NSR-1050H



1 Ventilateur

Prenez soin de ne pas obstruer la grille du ventilateur. Si la grille est bloquée, la chaleur peut s'accumuler dans l'appareil, ce qui peut entraîner un incendie ou des dégâts.

2 Interrupteur d'alimentation

Placez cet interrupteur dans la position 🖰 pour mettre l'appareil sous tension.

3 Connecteur RS-232C

Utilisez ce connecteur pour contrôler les caméras analogiques.

Ce connecteur ne peut être utilisé en même temps que le connecteur RS-422/485 (les quatre broches plus à droite sur le **6** connecteur de sortie d'alarme).

4 Connecteur UPS (RS-232C)

Utilisez ce connecteur pour raccorder la ligne de contrôle d'alimentation sans coupure (UPS).

5 Connecteur d'entrée de capteur

Utilisez ce connecteur pour raccorder les lignes d'entrée du capteur.

Pour les détails et schémas de connexion des entrées de capteur, voir « Port d'E/S » (page 134).

6 Connecteur de sortie d'alarme

Utilisez ce connecteur pour raccorder les lignes de sortie d'alarme.

Pour plus de détails et un schéma de connexion de la sortie d'alarme, voir « Port d'E/S » (page 134).

7 Connecteurs de moniteur HDMI (1 et 2)

Utilisez ces connecteurs pour raccorder des moniteurs qui prennent en charge l'entrée HDMI.

Il n'est pas possible d'utiliser en même temps le connecteur de moniteur HDMI 1 et 12 le connecteur de moniteur 1 (et le connecteur de moniteur 1 à l'avant de l'appareil), et il n'est pas possible d'utiliser en même temps le connecteur de moniteur HDMI 2 et 12 le connecteur de moniteur 2.

8 Connecteur d'entrée audio

Utilisez ce connecteur pour recevoir le son d'un dispositif audio, comme un microphone. Les microphones alimentés enfichables sont pris en charge.

9 Connecteur de sortie mini-SAS

Utilisez ce connecteur pour raccorder le câble min-SAS pour la connexion d'un NSRE-S200.

Le NSRE-S200 est une unité optionnelle de stockage d'extension.

10 Connecteur USB

Utilisez ce connecteur pour raccorder un clavier USB, une souris, une mémoire flash USB ou un contrôleur système (RM-NS1000) au NSR.

[11] Connecteurs LAN (1 à 4)

Utilisez ces connecteurs pour raccorder des câbles de réseau 10 Base-T, 100 Base-TX ou 1000 Base-T.

LAN1: Caméras de réseau¹⁾

LAN2 : Caméras du réseau¹⁾ (LAN2 ne peut être utilisé qu'en utilisant un autre segment de LAN1.)

 Connectez les clients distants au réseau spécifié avec le réglage [Interface réseau pour Client distant] (LAN1 ou LAN2) dans l'écran de configuration du serveur. Pour les détails, reportez-vous au guide de l'utilisateur (PDF).

LAN3: Sert pour le stockage iSCSI²⁾ **LAN4**: Sert pour le stockage iSCSI²⁾

2) pour les détails sur l'utilisation du stockage iSCSI, contactez votre revendeur Sony.

Attention

Ne configurez pas les connecteurs LAN 1 à 3 au même segment réseau.

12 Connecteurs de moniteur (1 et 2)

Utilisez ces connecteurs pour raccorder un moniteur. Il n'est pas possible d'utiliser en même temps le connecteur de moniteur 1 (et le connecteur de moniteur 1 à l'avant de l'appareil) et $\boxed{7}$ le connecteur de moniteur HDMI 1, et il n'est pas possible d'utiliser en même temps le connecteur de moniteur 2 et $\boxed{7}$ le connecteur de moniteur HDMI 2.

[13] Connecteurs de sortie audio (L et R)

Utilisez ces connecteurs pour émettre le son vers un dispositif audio.

[14] Connecteur d'alimentation

Utilisez ce connecteur pour raccorder le cordon d'alimentation.

Connecteur d'entrée de câble de caméra analogique

Utilisez ce connecteur pour raccorder des caméras analogiques au moyen du câble d'entrée de caméra analogique.

Le NSR-1050H est équipé de ce connecteur en standard, mais le NSR-1200/1100 nécessite l'extension NSBK-A16/A16H (option).

Données de référence pour l'installation

Consommation et courant d'appel

Modèle	Tension alternative d'entrée	Charge complète	Courant d'appel
NSR-1200	100 V	2,66 A	
NSR-1200	220 V	1,14 A	
NSR-1100	100 V	1,84 A	
	220 V	0,79 A	12 4
NSR-1050H	100 V	1,75 A	— 13 A
	220 V	0,76 A	
NSRE-S200	100 V	0,79 A	
	220 V	0,34 A	

Capacité de stockage de données enregistrées

Vous pouvez confirmer les configurations et la capacité du lecteur disque dur du NSR-1200/1100/1050H et la capacité d'extention en option¹⁾ en cliquant sur l'écran de connexion [Information] de la série NSR-1000 et en visualisant l'écran d'information qui s'affiche. Vous pouvez aussi confirmer la capacité de stockage actuelle²⁾ dans laquelle les données sont enregistrées dans l'onglet [Stockage] de l'écran serveur.

- 1) Les capacités des lecteurs de disque dur sont approximatives selon l'équation suivante pour 1 Go : 1,000 × 1,000 × 1,000 = 1,000,000,000 octets
- 2) Les capacités de stockage sont approximatives selon l'équation suivante pour 1 Go : 1 024 × 1 024 × 1 024 = 1 073 740 000 octets

Nombre de caméras

Nombre maximum de caméras

Modèle	Nombre maximum de caméras
NSR-1200	64
NSR-1100	32
NSR-1050H	20

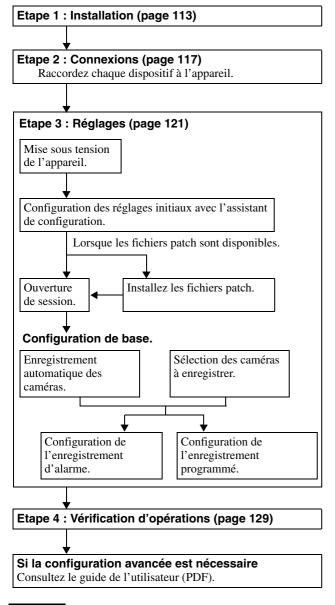
Nombre maximum de caméras analogiques (compris dans le nombre total de caméras)

Modèle	Nombre maximum de caméras analogiques	
NSR-1200	16 (avec le NSBK-A16/A16H en option)	
NSR-1100	16 (avec le NSBK-A16/A16H en option)	
NSR-1050H	16	

Nombre maximum de canaux audio

Modèle	Nombre maximum de canaux audio
NSR-1200	64
NSR-1100	32
NSR-1050H	20

Etapes de préparation



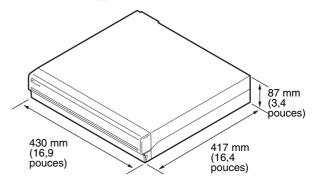
Attention

Les fichiers patch sont distribués par Sony au fur et à mesure que des caméras compatibles NSR et des fonctions sont ajoutées. Contactez votre revendeur Sony. Pour les détails, reportez-vous « Installation de fichiers patch » (page 130).

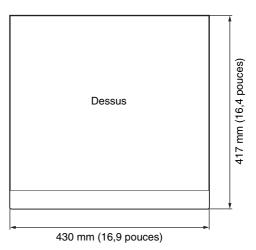
Etape 1: Installation

Avant la configuration, veillez à ce que l'emplacement d'installation soit assez spacieux et fort pour supporter l'appareil.

Le NSR-1200 pèse environ 13,5 kg (29,8 livres), le NSR-1100 pèse environ 12 kg (26,7 livres) et le NSR-1050H pèse environ 11,5 kg (25,4 livres). Les dimensions de l'appareil sont les suivantes.

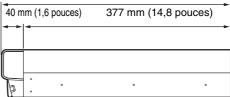


Dessus

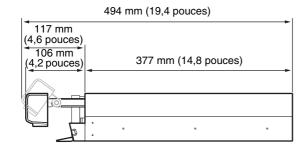


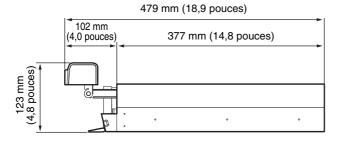
Quand le boîtier avant est fermé

417 mm (16,4 pouces)



Quand le boîtier avant est ouvert

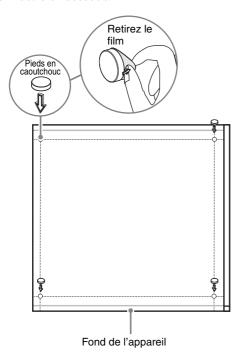




Vous pouvez installer l'appareil dans un rack à l'aide du kit optionnel de mise en rack.

Installation sans châssis

Fixez les pieds en caoutchouc fournis sur l'enregistreur. Placez l'enregistreur verticalement pour que la surface du fond soit visible. Collez alors les surfaces adhésives des pieds en caoutchouc sur le fond de l'enregistreur comme illustré ci-dessous.



Installation de montage du châssis

Installez le NSR sur un châssis à l'aide du kit de montage en châssis en option (vendu séparément).

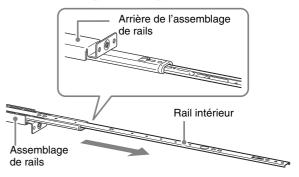
Avertissement

- N'utilisez pas un kit de montage en châssis autre que le kit de montage en option (vendu séparément) pour le NSR, cela pourrait s'avérer dangereux et provoquer un incendie, un choc ou une blessure.
- Si vous montez le NSR sur un châssis, assurez-vous de ne poser aucun objet lourd dessus.
- Avant de monter le NSR sur un châssis, nous recommandons que vous marquiez sa position prévue sur le châssis avec un feutre. Monter le NSR sur un châssis autrement qu'horizontalement pourrait provoquer des dysfonctionnements.
- Pour commander un kit de montage en châssis, contactez votre détaillant.

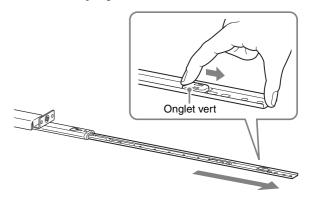
Sortir les rails intérieurs

Sortez les rails intérieurs des assemblages de rails.

1 Sortez le rail intérieur de l'un des assemblages de rails aussi loin que vous le pouvez.



2 Retournez l'assemblage de rails. Après avoir repoussé l'onglet vert pour libérer le verrou, tirez le rail intérieur jusqu'au bout.



Répétez la même procédure avec l'autre assemblage de rails pour sortir son rail intérieur.

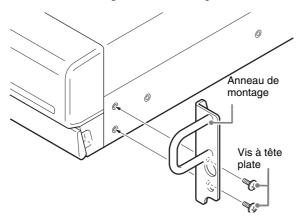
Remarque

Le rail intérieur sera installé sur le NSR, tandis que l'assemblage de rails sera installé sur le châssis.

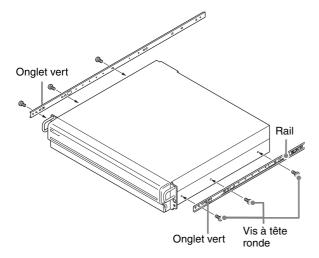
Préparation du NSR

Utilisez les attaches et les vis fournies pour installer le rail intérieur sur le NSR.

1 Utilisez les vis à tête plate fournies pour attacher l'anneau de montage sur l'avant du panneau latéral.



2 Utilisez le reste des vis à tête ronde fournies pour installer les rails sur le NSR, comme illustré cidessous.



Attention

Utiliser d'autres vis que celles fournies peut endommager l'appareil. Veillez à utiliser les vis fournies pour installer les rails.

Préparation du châssis

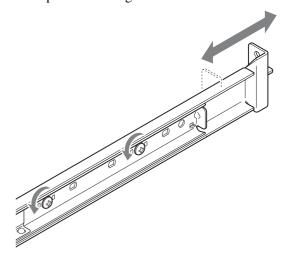
Installez les rails sur le châssis.

Déterminez l'endroit où vous voulez installer les rails sur le châssis.
Nous recommandons le marquage de cette position avec un marqueur ou un feutre.

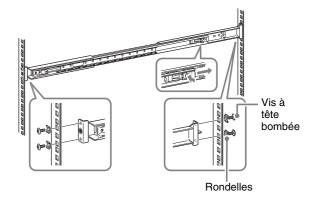
Attention

Des rails installés à différentes hauteurs pourrait provoquer des dysfonctionnements du NSR.

- 2 Installez les rails sur le châssis.
 - (1) Ajustez la longueur des rails pour qu'elle corresponde à la longueur de votre châssis.



(2) Utilisez les vis à tête bombée et les rondelles fournies pour fixer les deux extrémités des rails au châssis.



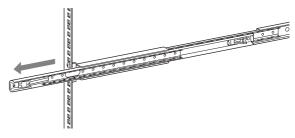
Montage du NSR sur le châssis

Insérez le NSR dans le châssis, puis fixez-le.

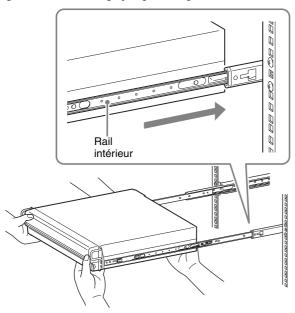
Attention

Il faut au moins deux personnes pour manipuler l'appareil et ainsi éviter les blessures.

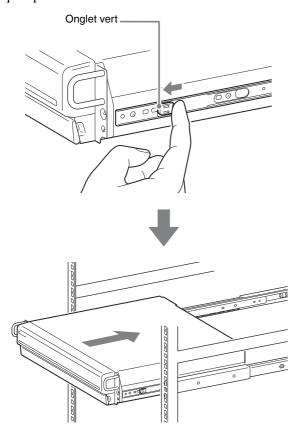
1 Sortez les rails coulissants des assemblages de rails.



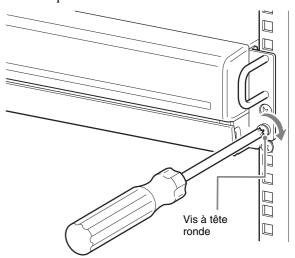
2 Soulevez le NSR, introduisez le rail intérieur dans les rainures du rail coulissant (blanc), puis faites glisser l'assemblage jusqu'à ce qu'il s'arrête.



Tout en poussant l'onglet vert vers l'intérieur pour désactiver le verrou, faites glisser le NSR aussi loin qu'il peut aller.



4 Utilisez les vis à tête bombée et les rondelles fournies pour fixer le NSR au châssis.



Installation des accessoires en option

Au sujet de l'installation de NSRE-S200, veuillez faire référence au Manuel d'installation qui est attaché à NSRE-S200. Pour plus de détails sur les extensions NSBK-A16/A16H optionnelles, contactez votre revendeur Sony.

Etape 2: Connexions

Raccordez chaque dispositif à l'appareil.

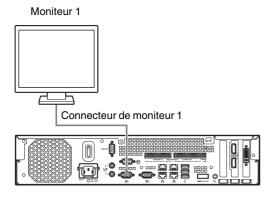
Connexion d'un moniteur

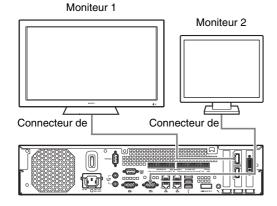
Lors de la connexion d'un moniteur, raccordez-le au connecteur de moniteur RVB 1 ou au connecteur de moniteur HDMI 1.

Lors de la connexion d'un second moniteur, raccordezle au connecteur de moniteur RVB 2 ou au connecteur de moniteur HDMI 2.

Pour les détails, voir « Exemples de connexion de moniteur » (page 131).

Exemple) Lors du raccordement aux connecteurs de moniteur arrière





Utilisation recommandée de connecteur pendant le fonctionnement de l'appareil

Moniteur		Connecteurs à utiliser			
		Connecteur de moniteur HDMI 1	Connecteur de moniteur HDMI 2	Connecteur de moniteur RVB analogique 1	Connecteur de moniteur RVB analogique 2
Un moniteur	Moniteur HDMI	0	-	-	=
	Moniteur RVB analogique	_	_	0	_
Deux moniteurs	Moniteur HDMI × 2	0	0	_	_
	Moniteur RVB analogique × 2	-	-	0	0
Moniteur HDMI et moniteur	0	=	=	0	
	RVB analogique		0	0	_

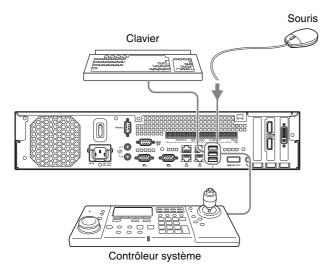
Remarques

- Il y a trois connecteurs de moniteurs appelés « 1 » (RVB analogique ×2 ; HDMI ×1) et deux connecteurs de moniteurs appelés « 2 » (RVB analogique ×1 ; HDMI ×1), mais il n'est possible d'en utiliser qu'un seul à la fois (1 et 2).
- Ne mettez pas l'appareil sous tension lorsque les moniteurs sont raccordés au connecteur de moniteur RVB 1 à l'avant et à l'arrière de l'appareil.
- Si vous utilisez l'appareil avec un seul moniteur RVB analogique, ne raccordez pas le moniteur au connecteur de moniteur RVB analogique 1 à l'avant de l'appareil lorsque celui-ci est sous tension.
- Lors du raccordement de deux moniteurs RVB analogiques, n'utilisez pas les connecteurs de moniteur HDMI.
- Lors de l'utilisation de moniteurs HDMI, veillez bien à raccorder le moniteur HDMI et à le mettre sous tension avant l'appareil.
- Lorsque le moniteur HDMI est raccordé au connecteur 2 du moniteur HDMI, les écrans de redémarrage et d'extinction sont affichés sur le moniteur 2 uniquement.
- Ne raccordez pas un moniteur au connecteur 1 du moniteur HDMI si vous utilisez le connecteur 1 du monitor RGB analogique sur le devant de l'appareil.
- Lorsque les moniteurs sont raccordés via un dispositif de surveillance, les images risquent de ne pas s'afficher. Nous vous recommandons de raccorder les moniteurs directement à l'appareil.

Connexion du clavier, de la souris et de la contrôleur système

Raccordez les dispositifs aux connecteurs USB à l'avant et à l'arrière de l'appareil.

Exemple) Lors du raccordement aux connecteurs USB à l'arrière



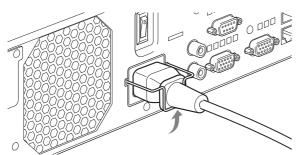
Remarques

- Cet appareil prend en charge les contrôleur système RM-NS1000 et les contrôleurs USB IP Desktop de CH Products. Les autres télécommandes ne sont pas prises en charge.
- Si vous utilisez des dispositifs USB, veuillez d'abord prendre connaissance des « Précautions pour l'utilisation de dispositifs USB » (page 105) dans la section « 'Précautions d'utilisation ».

Connexion du cordon d'alimentation

Branchez le cordon d'alimentation sur le connecteur d'alimentation.

Fixez la pince de sécurité pour éviter que le cordon ne se débranche.



Attention

 Veillez à bien consultez les « Importantes informations concernant l'installation » (page 104)

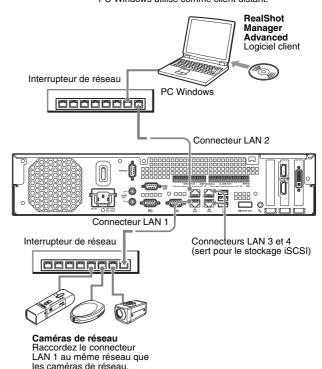
- avant d'installer l'appareil. Si vous utilisez l'appareil en combinaison avec plusieurs unités NSR ou un NSRE-S200 optionnel, assurez-vous que l'alimentation est suffisante.
- Pour les détails sur la consommation et le courant d'appel du NSR-1200/1100/1050H et du NSRE-S200, consultez « Données de référence pour l'installation » (page 112).

Connexion au réseau

Effectuez la connexion au réseau de la manière suivante.

Client distant

Raccordez le connecteur LAN au même réseau que le PC Windows utilisé comme client distant.



Connexions aux clients distants

Si un client distant est nécessaire, vous pouvez utiliser le logiciel client de RealShot Manager Advanced fourni avec cet appareil.

- Utilisez la version de RealShot Manager Advanced fournie avec cet appareil. Pour les détails sur le téléchargement du programme d'installation de RealShot Manager Advanced, voir « Téléchargement de fichiers stockés sur le NSR » (page 108). Pour plus de détails sur l'installation et la connexion au NSR, consultez le guide d'installation de RealShot Manager Advanced (PDF).
- Le logiciel client RealShot Manager Advanced fonctionne sur les ordinateurs Windows. Pour les détails sur les caractéristiques de système requises, consultez les notes de mise à jour inclues dans l'archive du logiciel client de RealShot Manager Advanced.

- Si vous utilisez RealShot Manager Advanced comme contrôleur distant pour le NSR, sélectionnez [Client] pendant l'installation de RealShot Manager Advanced.
- Lors de la connexion au réseau de la zone d'utilisateur, utilisez le connecteur LAN 2.
- Pour plus de détails sur les réglages du NSR lors de l'utilisation du logiciel client RealShot Manager Advanced, consultez « Configurations pour l'utilisation du logiciel client de RealShot Manager Advanced » (page 128).

Connecteurs LAN 3 et 4 (sert pour le stockage iSCSI)

Comme les connecteurs LAN 3 et 4 sont des canaux liés pour la redondance de réseau, une seule adresse IP peut être attribuée aux deux connecteurs.

Attention

N'utilisez pas de stockage iSCSI en même temps qu'un NSRE-S200.

Remarques

- Les adresses IP par défaut sont les suivantes pour cet appareil.
 - Connecteur LAN 1: 192.168.0.1
 - Connecteur LAN 2: 192.168.1.1
 - Connecteur LAN 3: 192.168.2.1
 - Connecteur LAN 4: 192.168.2.1
- Si vous souhaitez modifier les adresses IP par défaut, consultez le guide de l'utilisateur (PDF).

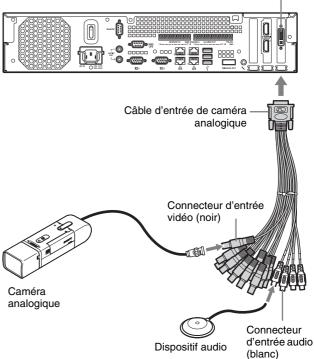
Connexion d'une caméra analogique

485) à la fois.))

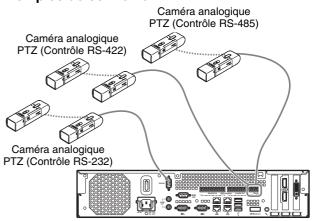
Raccordez la caméra analogique à l'aide du câble d'entrée de caméra analogique fourni.

Pour contrôler les opérations de panoramique, d'inclinaison et de zoom, raccordez un câble de contrôle de caméra au connecteur RS-232C ou au connecteur RS-422/485 (les quatre broches les plus à droite sur le connecteur de sortie d'alarme). (Vous ne pouvez utiliser qu'un seul de ces connecteurs (RS-232C, RS-422, RS-

Connecteur d'entrée de câble de caméra analogique |



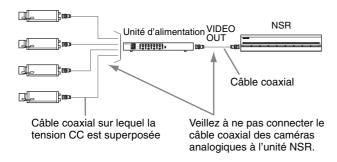
Exemples de connexion



Attention

Si vous utilisez des caméras et des unités d'alimentation qui superposent la tension CC sur le câble coaxial vidéo, faites bien attention aux connexions du câble coaxial. Si le câble de caméra sur lequel la tension CC est superposée est raccordé au NSR, un dysfonctionnement peut se produire.

Caméra analogiques



Remarques

- Le NSR-1050H est équipé du connecteur d'entrée de câble de caméra analogique en standard, mais le NSR-1200/1100 nécessite l'extension NSBK-A16/A16H (option).
- Pour l'utilisation des opérations de panoramique, d'inclinaison et de zoom, vous devez configurer un numéro de contrôle unique. Pour les détails sur la configuration de ces numéros de contrôle, consultez le mode d'emploi de la caméra analogique.
- Pour les détails sur l'attribution de broches pour le connecteur RS-422/485, voir « Distribution de contacts du port d'E/S » (page 134).

Connexion d'une unité NSRE-S200

Utilisez le câble mini-SAS fourni avec le NSRE-S200 optionnel pour connecter le NSR-1200/1100/1050H au NSRE-S200 comme suit.

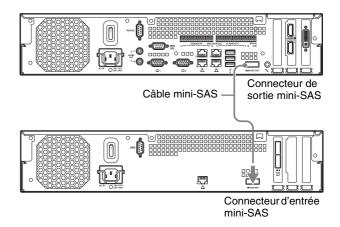
Vous pouvez raccorder jusqu'à sept unités NSRE-S200 au NSR-1200/1100/1050H.

Pour les détails sur les configurations de connexion, voir « Exemple de connexion du NSRE-S200 » (page 132).

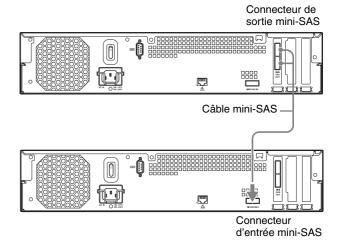
Remarque

Veillez bien à connecter le NSR-1200/1100/1050H et le NSRE-S200 avant la mise sous tension.

Connexion du NSR-1200/1100/1050H au NSRE-S200



Connexion de deux unités NSRE-S200



Attention

- N'utilisez pas un NSRE-S200 en même temps qu'un stockage iSCSI.
- Veillez à bien raccorder les câbles mini-SAS pour qu'ils ne se débranchent pas. Si un câble mini-SAS se débranche lors d'une opération, les erreurs d'enregistrement risquent de se produire. Mettez toujours l'appareil hors tension avant de raccorder ou de débrancher les câbles mini-SAS.

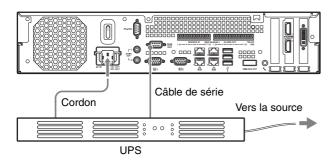
Connexion d'autres dispositifs

Connexion d'entrées de capteur et de sorties d'alarme

Etablissez les connexions au connecteur d'entrée de capteur et au connecteur de sortie d'alarme. Pour les détails, voir « Port d'E/S » (page 134).

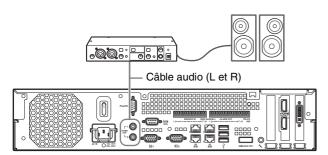
Connexion d'un système d'alimentation sans coupure (UPS)

- 1 Connectez la source UPS à la prise de courant.
- 2 Raccordez le NSR au système UPS avec le cordon d'alimentation fourni.
- Raccordez le NSR au système UPS avec le câble de série au connecteur de série à l'arrière du NSR.



Connexion d'un dispositif de sortie audio

Raccordez le dispositif de sortie audio aux connecteurs de sortie audio (L et R).



Etape 3 : Réglages

Cette section offre des informations sur la mise sous tension de l'appareil, et des explications générales sur l'enregistrement de caméras et d'autres dispositifs.

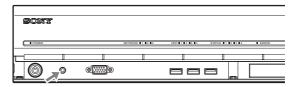
Mise sous tension de l'appareil

Lorsque vous appuyez sur l'interrupteur d'alimentation à l'avant ou à l'arrière de l'appareil, il est mis sous tension. Si une unité NSRE-S200 est raccordée, attendez sa mise sous tension avant de mettre cet appareil sous tension.

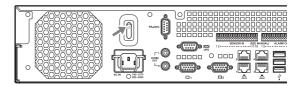
Attention

Prenez le courant d'appel en considération lors de la configuration des connexions d'alimentation des systèmes qui comprennent plusieurs unités NSR ou une unité NSRE-S200. Pour plus de détails sur le courant d'appel, voir « Données de référence pour l'installation » (page 112).

Interrupteur d'alimentation avant



Interrupteur d'alimentation arrière



Le voyant LED d'alimentation sur le panneau avant s'allume en vert quand l'appareil est sous tension.

Lors de la première mise sous tension de l'appareil, l'assistant de configuration est automatiquement lancé. Passez à la section suivante, « Configuration des réglages initiaux avec l'assistant de configuration ».

Remarques

- Le ventilateur peut émettre un bruit fort pendant les 2 secondes qui suivent la mise sous tension de l'appareil. Ceci ne signale pas un dysfonctionnement.
- Si l'appareil a été mis hors tension à l'aide d'opérations de système, appuyez sur le bouton d'alimentation du panneau avant ou sur l'interrupteur

d'alimentation à l'arrière pour mettre l'appareil sous tension.

Si une mise hors tension forcée a été effectuée,
 l'appareil peut prendre plus longtemps à redémarrer.

Mise hors tension de l'appareil

Après l'ouverture de session NSR, cliquez sur haut de l'écran principal, et sélectionnez [Éteindre] dans le menu qui s'affiche.

Remarque

Normalement, l'appareil se met hors tension après quelques minutes. Si l'appareil ne se met pas hors tension après quelques minutes, forcez la mise hors tension en plaçant l'interrupteur d'alimentation à l'arrière de l'appareil sur la position (b) pendant au moins 5 secondes.

Configuration des réglages initiaux avec l'assistant de configuration

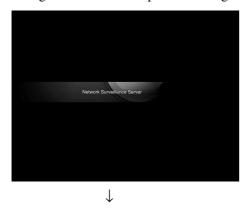
Cette section explique d'une manière générale les opérations de l'assistant de configuration. Pour plus de détails sur les réglages, consultez « Modification des réglages initiaux avec le menu d'installation » dans le guide de l'utilisateur (PDF).

Lors de la première mise sous tension de l'appareil, l'assistant de configuration est automatiquement lancé. Vous pouvez configurer les mêmes réglages après en accédant à l'écran d'ouverture de session, le menu Administration puis le menu Configuration. Pour les détails, consultez « Accès au menu Configuration depuis l'écran d'ouverture de session » (page 125).

Attention

Certains éléments qui apparaissent à l'écran en anglais sont écrit en français dans ce manuel.

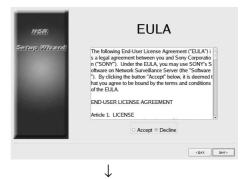
Lors de la mise sous tension de l'appareil, l'assistant de configuration est lancé après l'affichage suivant.



Cliquez sur [Next].



Lisez l'accord de licence d'utilisateur, cliquez sur [Accept], puis sur [Next].



Sélectionnez une langue d'affichage, et cliquez sur [Next].



Sélectionnez une langue de clavier, et cliquez sur [Suivant].

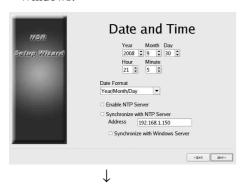


Sélectionnez un fuseau horaire, et cliquez sur [Suivant].

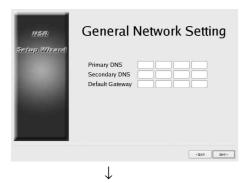


Réglez la date et l'heure, et cliquez sur [Suivant].

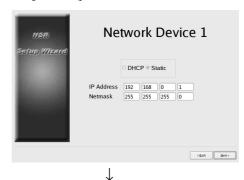
- Lorsque vous cochez la case [Enable NTP Server], l'appareil fonctionne comme serveur NTP pour la synchronisation de la date et de l'heure.
- Lorsque vous cochez la case [Synchronize with NTP Server], vous pouvez synchroniser l'heure et la date avec un serveur NTP différent.
- Si la date et l'heure ne peuvent être synchronisées avec le serveur Windows comme serveur NTP, vous pouvez cocher la case [Synchronize with Windows Server] pour forcer la synchronisation avec le serveur NTP Windows.



Réglez l'adresse IP pour chaque serveur, et cliquez sur [Suivant].



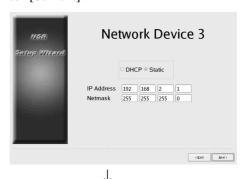
Réglez l'adresse IP pour le connecteur LAN 1, et cliquez sur [Suivant].



Réglez l'adresse IP pour le connecteur LAN 2, et cliquez sur [Suivant].

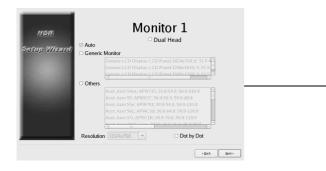


Réglez l'adresse IP pour le connecteur LAN 3, et cliquez sur [Suivant].



Configurez les réglages de moniteur 1, et cliquez sur [Suivant].

- Si vous sélectionnez [Auto], le type de moniteur raccordé et sa résolution sont détectés et configurés automatiquement.
 - Pour les détails sur les résolutions prises en charge, voir « Exigences de système » (page 107).
- Lors de la connexion de deux moniteurs à l'appareil, cochez la case [Dual Head].



Remarque

Lorsqu'un moniteur HDMI est raccordé, l'image peut être compressée pour rentrer dans l'écran et le texte peut paraître flou même si vous réglez pour faire correspondre la résolution du moniteur et la résolution des données d'image. Vous pouvez améliorer la qualité d'image en cochant la case [Dot By Dot] afin que chaque pixel de données d'image s'affiche comme un seul point sur le moniteur sans aucun processus d'extension ou de compression. Vous pouvez aussi avoir à configurer les réglages sur le moniteur. Reportez-vous au mode d'emploi de votre moniteur.

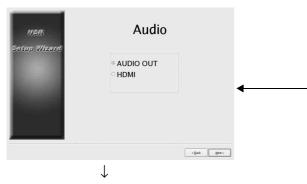
 \downarrow

Si vous raccordez un second moniteur, configurez les réglages du moniteur 2.

Après avoir configuré les réglages du second moniteur, relancez l'appareil quand le second moniteur est connecté.



Sélectionnez le connecteur de sortie audio à utiliser, et cliquez sur [Suivant].



Sélectionnez le type de RAID pour le lecteur de disque dur interne, puis cliquez sur [Suivant].

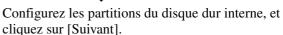


Remarque

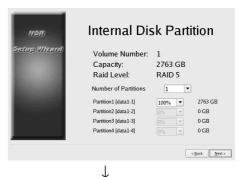
Cet écran s'affiche seulement pour les modèles qui acceptent la modification de niveau RAID.

Attention

Si vous modifiez le niveau RAID, RAID sera restructuré une fois l'écran d'invite terminé. La restructuration RAID nécessite quelques heures en fonction du niveau et de la capacité sélectionnés.



Définissez le nombre de partitions, et sélectionnez le pourcentage de la capacité totale à attribuer à chaque partition.



Définissez le nom du serveur, et cliquez sur [Suivant].



Configurez les réglages de connexion de caméra analogique, et cliquez sur [Suivant].

Sélectionnez la norme du connecteur de série auquel la caméra à contrôler sera connectée, et configurez les réglages tels que le débit en bauds et les bits de parité. (Cet écran ne s'affiche que si un NSR-1050H ou NSBK-A16/A16H (option) est connecté.)

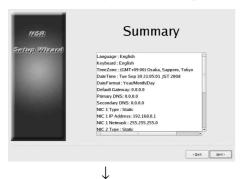


Sélectionnez le format vidéo des caméras analogiques à connecter, et cliquez sur [Suivant].

(Cet écran ne s'affiche que si un NSR-1050H ou NSBK-A16/A16H (option) est connecté.)



Vérifiez les configurations, et cliquez sur [Suivant].



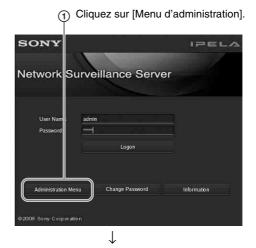
Cliquez sur [Terminer] lorsque le message de confirmation de redémarrage s'affiche.

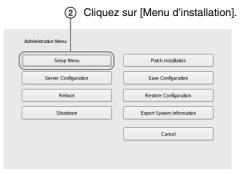


L'appareil redémarre.

L'écran d'ouverture de session s'affiche. Passez à la section suivante, « Ouverture de session ».

Accès au menu Configuration depuis l'écran d'ouverture de session





Lorsque les fichiers patch sont disponibles

Vous pouvez installer les fichiers patch distribués par Sony dans le NSR.

Les fichiers patch sont distribués par Sony au fur et à mesure que des caméras compatibles NSR et des fonctions sont ajoutées. Nous vous recommandons d'installer ces fichiers patch pour utiliser le NSR à l'aide du logiciel le plus à jour.

Pour les détails sur l'installation des fichiers patch, reportez-vous « Installation de fichiers patch » (page 130).

Ouverture de session

Saisissez le nom d'utilisateur et le mot de passe, et cliquez sur [Logon].

Nom d'utilisateur par défaut :admin Mot de passe par défaut :admin



Lorsque la session est ouverte, le dialogue d'enregistrement automatique de caméras s'affiche. Passez à la section suivante, « Configuration de base ».

Configuration de base

Cette section décrit comment enregistrer et configurer l'enregistrement d'alarme pour les dispositifs qui sont détectés automatiquement. Pour les détails sur l'enregistrement simultané de tous les dispositifs détectés automatiquement, consultez le guide des premiers pas (document séparé).

Pour enregistrer une caméra

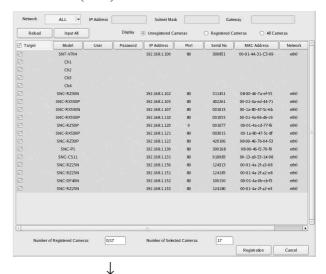
Sélectionnez [Ouvrir fenêtre d'enreg. multi caméras], et cliquez sur [OK].



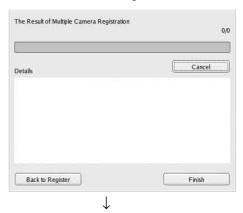
Les dispositifs sur le même segment de réseau sont détectés automatiquement.

Cochez les cases des caméras à enregistrer, et cliquez sur [Enregistrement].

Pour plus de détails sur les réglages, consultez « Enregistrement de dispositifs » dans le guide de l'utilisateur (PDF).

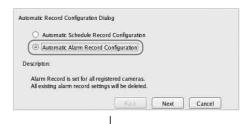


Les caméras sont enregistrées.



Pour configurer l'enregistrement d'alarme

Sélectionnez [Configuration automatique de l'enreg. de l'alarme], et cliquez sur [Suivant].



Le message de confirmation apparaît. Cliquez sur [Suivant].



Vérifiez les configurations, et cliquez sur [Terminer].



L'enregistrement d'alarme commence. Lorsque la configuration est terminée, l'écran principal s'affiche.



Après la configuration de base, les valeurs de chaque réglage seront les suivantes.

Réglage	Enregistrement programmé	Enregistrement d'alarme
Taille d'image	Taille d'image maximale prise en charge par la caméra. ¹⁾	Dépend des paramètres Enreg. alarme/événement configurés dans l'onglet [Vidéo].
Codec	Dépend des paramètres Enreg. programmation configurés dans l'onglet [Vidéo].	Dépend des paramètres Enreg. alarme/événement configurés dans l'onglet [Vidéo].
Fréquence d'images	Dépend de la durée de stockage des données enregistrées. 1)	Dépend des paramètres Enreg. alarme/événement configurés dans l'onglet [Vidéo].
Qualité	50% ¹⁾ Niveau 3 (caméras avec 5 réglages de niveaux) Niveau 5 (caméras avec 10 réglages de niveaux)	Dépend des paramètres Enreg. alarme/événement configurés dans l'onglet [Vidéo].
Débit binaire	Dépend de la durée de stockage des données enregistrées. 1)	Dépend des paramètres Enreg. alarme/événement configurés dans l'onglet [Vidéo].

Réglage	Enregistrement programmé	Enregistrement d'alarme
Déclencheur d'enregistrement	-	VMD (Caméra) VMD (enregistreur) si la caméra n'est pas acceptée. JPEG: Mode standard MPEG4, H.264: Mode haute performance
Lieu de stockage de données	Pas de changement par rapport à la configuration existante. ²⁾	Pas de changement par rapport à la configuration existante. ²⁾
Audio	Dépend des réglages configurés dans l'onglet [Audio].	Dépend des réglages configurés dans l'onglet [Audio].
Ecrasement des données	Pas de changement par rapport à la configuration existante.	Pas de changement par rapport à la configuration existante.
Nettoyage	Supprime les données qui dépassent la durée de stockage.	Pas de changement par rapport à la configuration existante.

- En fonction du modèle de la caméra, les valeurs configurées pour les réglages d'enregistrement d'Enreg. programmation dans l'onglet [Vidéo] peuvent être utilisées.
- 2) Si l'utilisateur n'a pas configuré les réglages de lieu de stockage pour la caméra, la capacité de la première partition du disque dur interne de l'appareil est utilisée pour calculer les autres réglages. Si l'utilisateur a configuré les réglages de lieu de stockage, les capacités de chaque lieu sont utilisées pour calculer les autres réglages.

Attention

- Si les réglages d'enregistrement programmés et d'alarme existent déjà quand vous exécutez
 « Enregistrement automatique », la configuration automatique remplace les réglages précédents.
- Lorsque vous changez les emplacements de stockage de la caméra, les réglages ne sont pas automatiquement modifiés. Vous pouvez effectuer de nouveau la configuration de base pour recalculer le réglage.

Réglages qui nécessitent une configuration individuelle

Une configuration supplémentaire est requise dans les cas suivants.

Réglages de lieu d'enregistrement

Avec les réglages de configuration de base, les données sont stockées dans la première partition du disque dur interne de l'appareil.

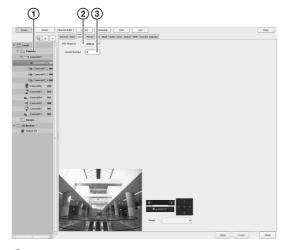
Pour les détails sur l'enregistrement de données sur une unité NSRE-S200 optionnelle ou sur d'autres partitions, consultez le guide de l'utilisateur (PDF).

Lors de la création de systèmes qui comprennent plusieurs unités NSR ou des serveurs RealShot Manager Advanced.

Lors de la configuration de plusieurs serveurs, une configuration individuelle est nécessaire. Pour plus de détails, consultez le guide de l'utilisateur (PDF).

Réglages de panoramique, d'inclinaison et de zoom pour les caméras analogiques

Configurez les réglages de panoramique, d'inclinaison et de zoom pour les caméras analogiques comme suit, depuis l'onglet [Control] de Device Configuration.



- ① Sélectionnez la caméra analogique.
- ② Sélectionnez un protocole basé sur les réglages de la caméra analogique.
- Saisissez le numéro de contrôle configuré sur la caméra analogique sélectionnée.

Remarque

Pour configurer ces réglages, vous devez d'abord configurer le mode de transmission dans les réglages « Serial Port » de l'assistant de configuration.

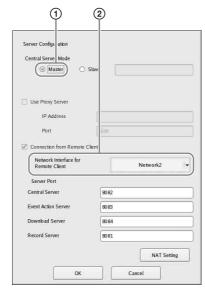
Réglages audio de caméras

Avec la configuration de base, le son est désactivé. Pour plus de détails sur l'activation du son, consultez le guide de l'utilisateur (PDF).

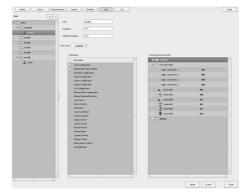
Configurations pour l'utilisation du logiciel client de RealShot Manager Advanced

Configurez les réglages suivants sur l'unité NSR qui fonctionnera comme serveur maître. Pour plus de détails sur les réglages, consultez le guide de l'utilisateur (PDF).

1 Configurez les réglages suivants sur l'écranServer Configuration du menu Administration.



- ① Sélectionnez [Maître] sous [Mode de serveur central].
- ② Sélectionnez l'interface de réseau pour la connexion dans [Interface réseau pour Client distant] sous [Connexion depuis un client distant].
- 2 Créez un utilisateur sur le serveur maître. Cliquez sur + (ajouter) sur l'écran User Configuration, et créez un utilisateur.



Etape 4 : Vérification d'opérations

Après la configuration de base, vérifiez que les images de caméras s'affichent sur l'écran principal et vérifiez d'autres opérations semblables.



- Changez le fond d'écran et affichez les images de caméras enregistrées.
 Faites glisser-déposer une caméra depuis la fenêtre
 - des caméras sur une fenêtre de moniteur pour afficher les images de cette caméra.
- ② Cliquez sur un cadre de surveillance pour l'activer (cadre bleu clair), et contrôlez les opérations de panoramique, d'inclinaison et de zoom depuis l'onglet [Contrôle] de la fenêtre Contrôle caméra.
- ③ Capturez un objet en déplacement avec la caméra et confirmez qu'une alarme se produit. Si l'enregistrement d'alarme a été configuré à l'aide de la configuration de base, un cadre rouge entoure le cadre de surveillance, et une mention de chaque
- alarme s'affiche dans l'historique au bas de l'écran.

 4 Consultez le guide d'opération de la fenêtre de surveillance (document séparé) pour les détails sur l'opération de chaque fonction.
- (5) Cliquez sur [PLAYBACK] pour lire les enregistrements.
 - Si vous cliquez sur [PLAYBACK], les images d'un autre temps de configuration seront lues (lecture rapide).
 - Lorsque vous saisissez une date et une heure et cliquez sur [GO], les images enregistrées seront lues.
- 6 Cliquez sur le témoin [ERROR] dans le coin inférieur droit de l'écran pour vérifier si des erreurs se sont produites.
 - Comme le journal de système s'affiche lorsque vous cliquez sur le témoin [ERROR], vous pouvez vérifier si des problèmes se sont produit en observant le journal.

Pour les détails sur les opérations de l'écran principal, consultez le guide d'opération de la fenêtre de surveillance (document séparé) ou le guide de l'utilisateur (PDF).

Attention

Lorsque vous raccordez un dispositif USB à l'appareil, le témoin [ERROR] dans le coin inférieur droit de l'écran peut s'allumer. Ceci signale que l'appareil ne prend peut-être pas le dispositif USB en charge. Pour plus de détails, consultez « Précautions d'utilisation » (page 104) ou « Un dispositif externe raccordé à un connecteur USB ne fonctionne pas. » (page 136) dans la section « Dépannage ».r si l'appareil prend en charge le dispositif USB.

Lors de l'utilisation de RealShot Manager Advanced comme client distant

Effectuez la procédure suivante pour vérifier les opérations.

- 1 Ouvrez une session RealShot Manager Advanced.
 - Déterminez le serveur pendant l'ouverture de session. Spécifiez la valeur du serveur central configurée sur le serveur pour le port. La valeur par défaut est « 8082 ».
 - Saisissez le nom d'utilisateur et le mot de passe configurés sur l'écran Server Configuration (page 128) pour [Nom d'utilisateur] et [Mot de passe].



2 Sur l'écran principal de RealShot Manager Advanced, attribuez les images aux cadres de surveillance depuis les caméras raccordées à l'appareil.

Il y a deux méthodes pour l'attribution de caméras.

- Faites glisser-déposer une caméra raccordée à l'appareil depuis la fenêtre des caméras sur un cadre de surveillance.
- Cliquez sur un cadre pour le sélectionner, puis double-cliquez sur une caméra dans la fenêtre de caméras.
- Wérifiez que les images de la caméra sélectionnée à l'étape 2 s'affichent dans le cadre de surveillance.

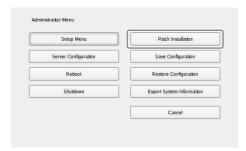
Installation de fichiers patch

1 Copiez le fichier patch dans un périphérique mémoire USB ou un CD/DVD.

Attention

Ne changez pas le nom du fichier ni d'autres aspects du fichier patch.

2 Cliquez sur [Installation du patch] dans le menu d'administration.



L'écran Installation du patch s'affiche.

3 Sélectionnez le support sur lequel le fichier patch est stocké.



Une liste de noms de fichiers patch s'affiche.

- Confirmez un nom de fichier patch, et cliquez sur [OK].Un message de confirmation s'affiche.
- 5 Vérifiez le contenu du message, et cliquez sur [Yes].

Attention

Le NSR est automatiquement relancé après l'installation de certains fichiers patch. Un écran de confirmation apparaît si la relance est nécessaire. Si vous ne pouvez pas arrêter vos opérations en cours, sélectionnez [No] pour annuler l'installation, et effectuez-la quand la relance ne vous pose pas de problème.

L'écran suivant s'affiche pendant l'installation du fichier patch.



Lorsque l'installation est terminée, le patch est appliqué.

Exemples de connexion

Exemples de connexion de moniteur

Cet appareil prend en charge plusieurs combinaisons de connexion de moniteur. Consultez les exemples de connexion suivants.

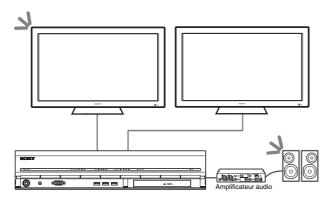
Remarque

Vous pouvez sélectionner d'émettre l'audio RCA ou l'audio HDMI dans le menu Audio de l'assistant de configuration ou du menu Configuration.

Attention

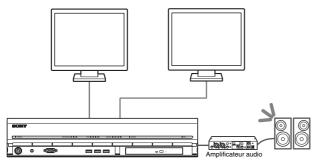
Assurez-vous de connecter les moniteurs et de les mettre sous tension avant l'appareil.

Exemple 1) Lors de la connexion de deux moniteurs HDMI



: Lieux de sortie audio.

Exemple 2) Lors de la connexion de deux moniteurs RVB analogiques

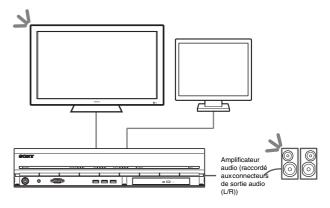


: Lieux de sortie audio.

Remarques

- Ne raccordez pas les moniteurs aux connecteurs de moniteur HDMI 1 et 2.
- Ne raccordez pas un moniteur au connecteur 1 du moniteur RGB analogique sur le devant de l'appareil lorsqu'il est sous tension.

Exemple 3) Lors de la connexion d'un moniteur HDMI et d'un moniteur RVB analogique (moniteur HDMI utilisé pour les opérations)

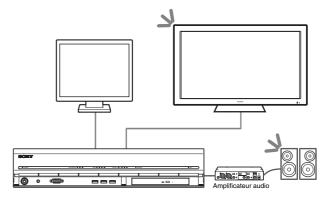


: Lieux de sortie audio.

Remarque

Utilisez le connecteur 1 du moniteur HDMI et le connecteur 2 du moniteur RGB analogique pour les connexions.

Exemple 4) Lors de la connexion d'un moniteur HDMI et d'un moniteur RVB analogique (moniteur RVB analogique utilisé pour les opérations)



: Lieux de sortie audio.

Remarque

Utilisez le connecteur 1 du moniteur RGB analogique et le connecteur 2 du moniteur HDMI pour les connexions.

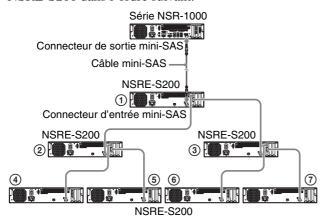
Exemple de connexion du NSRE-S200

Vous pouvez raccorder jusqu'à sept unités NSRE-S200 optionnelles au NSR-1200/1100/1050H dans les configurations suivantes.

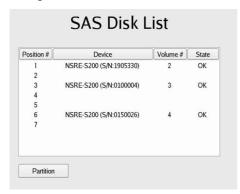
Remarque

Le câble mini-SAS utilisé pour la connexion est fourni avec le NSRE-S200. Utilisez toujours le câble fourni.

Nous vous recommandons de raccorder les extensions NSRE-S200 dans l'ordre suivant.



La liste suivante s'affiche lorsque les appareils sont raccordés en Position #1, #3 et #6. Sachez que le Volume # est affiché dans l'ordre dans lequel les partitions sont configurées.



Autres aspects

Voyant LED STATUS

Si une erreur se produit avec l'appareil, le voyant LED ERROR du panneau avant clignote ou s'allume en fonction de l'état de cette erreur, et le voyant LED STATUS s'allume.

STATUS ■1 ■2 ■3 ■4 ■ ERROR

Le voyant LED STATUS (état) indique les situations d'erreur suivantes.

Codes d'erreur affichés pendant le démarrage

(Le voyant LED ERROR clignote quand une erreur se produit pendant le démarrage.)

produit pendant le démarrage.)			
Code d'erreur	Voyant LED STATUS	Voyant LED ERROR	Cause possible
1	1234	Clignote	Panne de tension d'alimentation
2	1234	- Clignote	Panne du ventilateur CPU
3	1234	- Clignote	Module de mémoire défectueux
4	1234	- Clignote	Panne du batterie CMOS
5	1234	- Clignote	Panne du mémoire d'accès aléatoire vidéo (RAM) ou contrôleur
6	1234	- Clignote	Panne du contrôleur du disque dur
7	1 2 3 4	- Clignote	Aucun dispositif d'amorçage trouvé
8	1234	- Clignote	Aucun système d'exploitation d'amorçage trouvé
9	1234	- Clignote	Panne d'un ou plusieurs disques durs
A	1234	- Clignote	Panne de volume SE RAID
В	1234	- Clignote	Impossible de démarrer le serveur X11
С	1234	- Clignote	Impossible de démarrer l'application
D	1234	- Clignote	Réservé pour un usage ultérieur
Е	1234	- Clignote	Réservé pour un usage ultérieur
F	1 2 3 4	- Clignote	Panne de volume données RAID

■ signale que le voyant LED STATUS ou le voyant LED ERROR est allumé.

Codes d'erreur affichés pendant l'opération

(Le voyant LED ERROR s'allume quand une erreur se produit pendant l'opération.)

produit pendant l'opération.)				
Code d'erreur	Voyant LED STATUS	Voyant LED ERROR	Cause possible	
1	1234	Marche	Problème de température d'appareil interne	
2	1234	Marche	Panne du ventilateur CPU	
3	1234	Marche	Panne d'alimentation du ventilateur	
4	1234	Marche	Panne de tension d'alimentation	
5	1234	Marche	Panne du ventilateur du disque dur 1	
6	1234	Marche	Panne du ventilateur du disque dur 2	
7	1234	Marche	Le lecteur de disque dur est endommagé.	
8	1234	Marche	Réservé pour un usage ultérieur	
9	1234	Marche	Réservé pour un usage ultérieur	
A	1234	Marche	Réservé pour un usage ultérieur	
В	1234	Marche	Erreur de système d'exploitation	
С	1234	Marche	Echec de fonctionnement de l'application	
D	1234	Marche	Le témoin [ERROR] de l'écran principal est allumé	
Е	1234	Marche	Panne de volume données RAID	
F	1234	Marche	Le volume de données RAID est en cours de restructuration	

Port d'E/S

Distribution de contacts du port d'E/S

Entrée de capteur

Contact No.	ENTREE CAPTEUR
1	3.3 v
2	IN_8 -
3	IN_8 +
4	IN_7 -
5	IN_7 +
6	IN_6 -
7	IN_6 +
8	IN_5 -
9	IN_5 +
10	IN_4 -
11	IN_4 +
12	IN_3 -
13	IN_3 +
14	IN_2 -
15	IN_2 +
16	IN_1 -
17	IN_1 +
18	GND

Sortie d'alarme

Contact No.	Sortie d'alarme
1	GND
2	OUT_8 -
3	OUT_8 +
4	OUT_7 -
5	OUT_7 +
6	OUT_6 -
7	OUT_6 +
8	OUT_5 -
9	OUT_5 +
10	OUT_4 -
11	OUT_4 +
12	OUT_3 -
13	OUT_3 +
14	OUT_2 -
15	OUT_2 +
16	OUT_1 -
17	OUT_1 +
18	3.3 v

RS-422/485

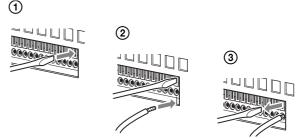
Contact No.	RS-422	RS-485
19	TX-	TX-
20	TX+	TX+
21	RX-	
22	RX+	

Utilisation du réceptacle d'E/S

Insérez un petit tournevis plat dans la fente supérieure ou inférieure de l'emplacement où vous voulez placer un câble (AWG No. 28 à 18). Tenez le tournevis enfoncé et insérez le câble, puis relâchez le tournevis.

Attention

Ne forcez pas sur le tournevis lorsque vous l'insérez dans la fente. Sinon vous pourriez endommager l'appareil.



Répétez ce procédé pour connecter tous les câbles nécessaires.

Schéma de câblage 1 pour contact d'entrée

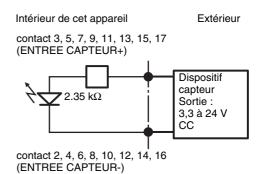
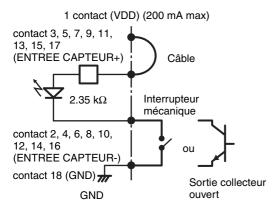


Schéma de câblage 2 pour contact d'entrée

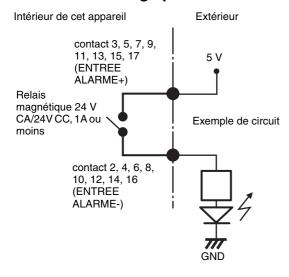
Intérieur de cet appareil Extérieur



Remarque

Quand vous utilisez le schéma de câblage 2, le NSR n'est pas isolé électriquement. Veillez donc à créer des circuits externes qui ne produiront pas de bruit, de surtension ou de surintensité.

Schéma de câblage pour sortie d'alarme



Dépannage

Avant de contacter votre revendeur ou un centre de service Sony, veuillez vérifier les éléments suivants. Si le problème persiste, veuillez les contacter.

Le NSR ne fonctionne pas.

- Vérifiez que l'interrupteur d'alimentation est activé.
- Vérifiez que le câble d'alimentation est bien raccordé.
- Vérifiez que la prise est elle-même alimentée. Testezla en branchant un autre dispositif.

- Vérifiez que les disques durs ne sont pas en cours d'accès (que les voyants LED HDD à l'avant de l'enregistreur ne clignotent pas), puis forcez la mise hors tension en maintenant l'interrupteur d'alimentation à l'arrière de l'appareil enfoncé pendant environ 10 secondes. Redémarrez le NSR.
- Pendant la procédure de démarrage, le NSR vérifie le système de fichiers. La durée de cette vérification dépend de la quantité de données sur le NSR (dans certains cas, elle peut prendre deux heures). Pendant la vérification du système de fichiers, les voyants LED HDD à l'avant de l'enregistreur clignotent.
- Si le NSR ne démarre pas correctement, l'écran suivant peut s'afficher.
 - 1. HDD Restore
 2. DOM Restore
 3. Software Restore
 4. Reset Monitor Setting
 5. Initialize (Factory Use)
 6. Reboot the system
 7. Shutdown the system
 Enter your choice:

Si c'est le cas, procédez comme suit.

- 1. Sélectionnez « 7. Shutdown the system », et appuyez sur la touche d'entrée.
- En vous référant à « Accès au disque dur impossible », vérifiez la bonne connexion des disques durs du NSR.
- 3. Redémarrez le NSR et vérifiez son lancement.

Le moniteur reste vierge.

- Vérifiez que le NSR est activé.
- Vérifiez que le cordon d'alimentation est bien raccordé.
- Vérifiez que le câble de moniteur est bien raccordé.
 Vérifiez que le moniteur est raccordé au connecteur de moniteur 1.
- Si vous configurez une résolution trop élevée ou celle du moniteur, le message « Hors de portée » peut s'afficher si la résolution de moniteur est trop basse par rapport à la sortie de moniteur. Appuyez sur CTRL+ALT+SIGNE MOINS autant de fois que nécessaire pour réduire la résolution de la vidéo émise. Lorsque la résolution de l'image émise atteint la résolution du moniteur, l'image apparaît. Par la suite, reconfigurez la résolution de votre moniteur. Pour plus de détails, consultez le guide de l'utilisateur (PDF).

Le moniteur raccordé au connecteur HDMI n'affiche pas correctement.

- Si vous faites basculer l'entrée du moniteur HDMI ou reconnectez le câble, les images peuvent ne pas s'afficher correctement. Si c'est le cas, essayez ce qui suit.
 - 1. Faites basculer l'entrée du moniteur.
 - 2. Redémarrez le moniteur.

Remarque

Si le problème persiste après les démarches ci-dessus, déconnectez le câble HDMI et continuez l'opération avec le moniteur RVB analogique. Lorsque l'arrêt des opérations est possible, redémarrez l'appareil et essayez de reconnecter le moniteur HDMI.

Le nouveau matériel externe ne fonctionne pas correctement.

 Vérifiez que les câbles du nouveau dispositif externe sont fermement connectés et que les broches ne sont pas courbées.

Un dispositif externe raccordé à un connecteur USB ne fonctionne pas.

- Lorsque vous raccordez un dispositif USB à l'appareil, le témoin [ERROR] dans le coin inférieur droit de l'écran peut s'allumer. Utilisez la procédure suivante pour vérifier si l'appareil prend en charge le dispositif USB.
 - 1. Cliquez sur le témoin [ERROR]. Le journal de système s'affiche.
 - 2. Vérifiez si l'erreur « Unsupported USB Device » s'affiche dans le journal. Si « Unsupported USB Device » s'affiche, l'appareil ne prend pas en charge le dispositif USB.
- Cet appareil prend en charge les dispositifs de stockage de masse USB 2.0 standard. Il arrive cependant que, selon le type de dispositif de stockage de masse USB 2.0, des erreurs se produisent lors de l'écriture de données sur le dispositif. Si des erreurs se produisent lors de l'écriture de données, utilisez un autre type de dispositif de mémoire USB.
- Pour garantir un bon fonctionnement des dispositifs USB, évitez de raccorder les dispositifs à l'aide d'un concentrateur USB. Raccordez les dispositifs directement aux connecteurs USB de l'appareil. Le fonctionnement n'est pas garanti quand les dispositifs sont raccordés à l'aide d'un concentrateur USB, un commutateur USB ou un câble d'extension.
- Consultez la documentation fournie avec le dispositif USB.

Le système ne peut pas lire les informations de DVD/CD.

- Vérifiez que vous utilisez le type de disque correct.
- Vérifiez que le DVD/CD est bien introduit dans le lecteur.
- Vérifiez que le DVD/CD est propre et non rayé.

Le tiroir à DVD/CD ne peut être éjecté.

• Vérifiez que le NSR est sous tension.

• Insérez soigneusement la pointe d'un stylo à bille ou d'un trombone dans l'orifice d'éjection du lecteur de DVD/CD. Tirez sur le tiroir pour ôter le disque.

Le voyant LED NETWORK (réseau) ne s'allume pas.

 Vérifiez les connexions des câbles et des appareils du réseau.

Accès au disque dur impossible.

- Vérifiez que le disque dur est correctement inséré.
- Vérifiez les voyants LED HDD sur le panneau avant du système. Identifiez le disque dur défectueux grâce aux voyants LED. Un voyant LED HDD défectueux s'allume en ambre.
- En raison du clignotement rapide pendant les accès fréquents au disque dur, le voyant LED HDD peut sembler éteint dans les environnements très lumineux.

Accès au NSR depuis un client distant impossible.

- Vérifiez le bon fonctionnement du NSR (il ne doit pas y avoir d'anomalie avec le disque dur, le réseau, le logiciel ni avec les autres éléments).
- Vérifiez que les réglages du serveur central de l'unité sont corrects.
- Vérifiez que les réglages du client distant et de l'interface réseau pour l'appareil sont corrects.
- Vérifiez que le bon nom d'utilisateur, le mot de passe et le port de connexion (adresse IP ou nom d'hôte et numéro de port) sont réglés dans RealShot Manager Advanced.
- Consultez la section de dépannage du guide de l'utilisateur pour le RealShot Manager Advanced.

Le NSR s'échauffe rapidement.

• Vérifiez que rien n'obstrue les orifices de ventilation à l'avant, sur les côtés et à l'arrière de l'appareil, et que la poussière ne s'y est pas accumulée.

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<one line to give the library's name and a brief idea of
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<signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice

That's all there is to it!

Caractéristiques

NSR-1200/1100/1050H

Processeur

NSR-1200: Ouad Core Xeon **CPU**

> NSR-1100: Dual Core Xeon NSR-1050H: Dual Core Xeon

Mémoire

Mémoire flash sur carte

4 Go

Mémoire interne

NSR-1200:2 Go NSR-1100:1 Go NSR-1050H:1 Go

Dispositifs d'enregistrement

Disque dur interne

Lecteur DVD/CD (avant)

1 lecteur

Supports compatibles: DVD+R,

DVD-R.

DVD-ROM, CD-R, CD-RW,

CD-ROM

Connecteurs externes

Avant Sortie moniteur:

RVB analogique (mini D-SUB

15 broches) (1) USB: USB 2.0 (3)

Arrière Sortie moniteur:

RVB analogique (mini D-SUB

15 broches) (2) **HDMI** (2) Sortie audio (L) (1) Sortie audio (R) (1) Entrée audio (1)

LAN (1000Base-T/100Base-TX/

10Base-T) (RJ-45) (4)

USB: USB 2.0 (3)

Sortie mini-SAS (pour la connexion d'une unité NSRE-S200

optionnelle, mini-SAS ×4 (SFF-

8088), 3,0 Gbit/s) (1)

Entrée de capteur (compatible avec les dispositifs 3,3 V à 24 V CC, entrée de photocoupleur, isolée de l'unité principale) (8)

Sortie d'alarme (maximum 24 V

CC. 1 A. sortie automate à contacts électriques, isolée de l'unité principale) (8)

Série UPS (alimentation sans coupure) : RS-232C (1)

Contrôle de caméra analogique (uniquement avec une unité NSR-1050H ou une extension NSBK-A16/A16H):

RS-232C(1) RS-422/485 (1)

Environnement d'utilisation

Température d'utilisation

5 °C à 40 °C (41 °F à 104 °F)

Humidité d'utilisation

20% à 80% (température maximale de bulbe humide : 30 °C, sans

condensation)

Plage de températures de rangement

-20 °C à +60 °C (-4 °F à 140 °F)

Plage d'humidité de rangement

20 % à 90 % d'humidité relative (température du thermomètre mouillé maximale 40 °C/104 °F,

sans condensation)

Alimentation et autres aspects

Alimentation

100 à 127 V CA/200 à 240 V CA

(50/60 Hz)

Consommation

Max. 350 W

Dimensions

 $430 \times 87 \times 417 \text{ mm} (16.9 \times 3.4 \times 430 \times 87 \times 417 \text{ mm})$

16,4 pouces)

(L/H/P, sans les parties

saillantes)

Poids

NSR-1200: environ 13,5 kg (29,8

livres)

NSR-1100: environ 12 kg (26,7

livres)

NSR-1050H: environ 11,5 kg (25,4

livres)

Accessoires en option

Kit de mise en rack NSR-RM1

Contrôleur système RM-NS1000

Kit d'encodage analogique NSBK-A16/A16H Unité de stockage d'extension NSRE-S200

L'apparence et les caractéristiques sont sujettes à

modification sans préavis.

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Sicherheitsmaßnahmen

Wichtige Sicherheitsinformationen

- Schließen Sie das Gerät nur an eine Stromquelle an, die vollständig den elektrischen Spezifikationen des Gerätes entspricht.
- Verwenden Sie ausschließlich das mitgelieferte Netzkabel. Wickeln Sie das Netzkabel nicht auf und bündeln Sie es nicht mit anderen Kabeln. Schließen Sie nicht zu viele Geräte an eine Steckdose an. Wenn die Stromstärke zu hoch ist, bestehen Feuergefahr und die Gefahr anderer Unfälle.
- Vergewissern Sie sich, dass alle Netzsteckdosen und Netzkabel ordnungsgemäß geerdet sind.
- Verwenden Sie das Gerät nicht, wenn Abdeckungen oder das Gehäuse geöffnet oder abgenommen wurden. Andernfalls besteht Feuergefahr und die Gefahr eines elektrischen Schlags. Versuchen Sie nicht selbst, Abdeckungen oder das Gehäuse zu öffnen oder abzunehmen. Wenden Sie sich immer an Ihren Händler, wenn das Öffnen des Geräts erforderlich ist.

Wichtige Installationsinformationen

Ort für Betrieb/Lagerung

Um die Lebensdauer des Produkts zu verlängern, verwenden oder lagern Sie es möglichst nicht an Orten, die folgenden Bedingungen ausgesetzt sind:

- Extremer Hitze oder Kälte. (Ich folge den genauen Angabe dieses Gerätes und benutze es bitte.)
- Direktem Sonnenlicht über längere Zeit hinweg und Hitze von Heizgeräten. Beachten Sie, dass die Temperatur in einem geschlossenen Fahrzeug im Sommer +50 °C/122 °F übersteigen kann.
- Hoher Luftfeuchtigkeit oder übermäßig viel Staub
- Starken Vibrationen
- Starken magnetischen Feldern
- Unmittelbarer Nähe zu Radio- oder Fernsehsendern, die ein starkes magnetisches Feld erzeugen.

Blockieren Sie die Lüftungsöffnungen nicht

- Die Lüftungsöffnungen an den Seiten des Geräts dienen zum Verhindern eines Hitzestaus im Gerät.
 Lassen Sie auf beiden Seiten sowie hinter und über dem Gerät immer mindestens 10 cm Platz.
- Verwenden Sie das Gerät nicht in einem geschlossenen Schrank, einem geschlossenen Regal o. ä.
- Achten Sie darauf, dass sich keine Kabel oder anderen Gegenstände in der Nähe der Ventilatoröffnung an der Rückseite des Geräts befinden. Wenn die Öffnung blockiert wird, kann sich im Gerät ein Hitzestau bilden und es besteht Feuergefahr und die Gefahr von Sachschäden.

 Wenn das Gerät in einem Gestell installiert ist, müssen Sie ebenfalls darauf achten, dass die Ventilatoröffnung an der Rückseite sowie die Lüftungsöffnungen an der Vorderseite nicht durch Kabel oder andere Gegenstände blockiert werden. Installieren Sie das Gerät nicht in einer Umgebung, in der die oben genannten Bedingungen nicht erfüllt sind.

Verwenden Sie das Gerät in waagrechter Position

- Dieses Gerät ist für den Betrieb in waagrechter Position konzipiert.
- Stellen Sie das Gerät nicht auf eine geneigte Oberfläche und schützen Sie das Gerät vor Stößen.
- Wenn das Gerät herunterfällt oder auf andere Weise heftigen Stößen ausgesetzt wird, kann es schwer beschädigt werden.
- Wenn Sie das Gerät in einem Gestell installieren, vergewissern Sie sich, dass es in waagrechter Position bleibt. Wenn das Gerät nicht richtig waagrecht ausgerichtet ist, kann es zu Fehlfunktionen kommen. Außerdem empfiehlt es sich dringend, das Gestell sicher an einer Wand o. ä. zu verankern, so dass es nicht umkippen kann.

Wartung

- Ziehen Sie vor dem Reinigen des Geräts und anderen Wartungsarbeiten unbedingt den Netzstecker aus der Netzsteckdose.
- Wischen Sie zum Reinigen mit einem trockenen Tuch vorsichtig über das Gehäuse und die Abdeckungen.
 Bei hartnäckigen Verschmutzungen feuchten Sie das Tuch mit einem milden, neutralen Reinigungsmittel leicht an und wischen mit einem trockenen Tuch nach.
- Verwenden Sie keinen Reinigungsalkohol, keine Lösungsmittel, kein Benzin, keine Insektizide oder andere flüchtige Substanzen, da diese die Oberfläche angreifen und zu Verfärbungen führen können.
- In den Lüftungsöffnungen vorn am Gerät kann sich Staub ansammeln. Achten Sie beim Entfernen des Staubs darauf, das Gerät keinen Erschütterungen oder Vibrationen auszusetzen.

Transport

Verpacken Sie das Gerät im Original- oder ähnlichem Verpackungsmaterial, um es vor Stößen zu schützen.

Sicherheitshinweise für Produkte mit eingebauter Festplatte

Dieses Gerät ist mit einer eingebauten Festplatte ausgestattet. Die Festplatte ist ein Präzisionsgerät. Wenn sie Stößen, Vibrationen, statischer Elektrizität, hohen Temperaturen oder hoher Luftfeuchtigkeit ausgesetzt wird, kann es zu Datenverlusten kommen. Beachten Sie beim Installieren und Verwenden des Geräts unbedingt folgende Sicherheitshinweise.

Schutz vor Stößen und Vibrationen

Wenn die Festplatte Stößen und Vibrationen ausgesetzt wird, kann sie beschädigt werden und Daten können verloren gehen.

- Verwenden Sie zum Transport des Geräts das angegebene Verpackungsmaterial. Beim Transport auf einem fahrbaren Rollwagen oder ähnlichem dürfen keine übermäßigen Vibrationen auftreten. Bei starken Stößen und Erschütterungen kann die Festplatte beschädigt werden.
- Stellen Sie das Gerät nie um, solange es eingeschaltet ist. Vergewissern Sie sich auch vor dem Herausnehmen oder Einsetzen des Geräts aus einem bzw. in ein Gestell, dass es ausgeschaltet ist.
- Schützen Sie alle mit einer Festplatte ausgestatteten Geräte im Gestell vor Stößen.
- Vergewissern Sie sich vor dem Herausnehmen oder Einsetzen des Geräts aus einem bzw. in ein Gestell, dass auch alle anderen mit einer Festplatte ausgestatteten Geräte im Gestell ausgeschaltet sind.
- Nehmen Sie keine Abdeckungen oder äußeren Teile vom Gerät ab.
- Wenn Sie das Gerät auf den Boden oder eine andere Oberfläche stellen, vergewissern Sie sich, dass die zugehörigen Unterlagen angebracht sind, und setzen Sie das Gerät vorsichtig ab. Sind keine Unterlagen angebracht, montieren Sie zunächst die erforderlichen Unterlagen.

Stellen Sie das Gerät nicht in die Nähe anderer Geräte, die Vibrationen verursachen könnten.

Warten Sie nach dem Ausschalten des Geräts 30 Sekunden lang

Nach dem Ausschalten des Geräts drehen sich die Platten im Festplattenlaufwerk eine kurze Weile weiter und die Köpfe befinden sich in einer instabilen Position. In dieser Zeit ist das Gerät bei Stößen und Vibrationen noch empfindlicher als im normalen Betrieb. Schützen Sie das Gerät nach dem Ausschalten mindestens 30 Sekunden lang selbst vor äußerst geringen Erschütterungen. Danach befindet sich die Festplatte vollständig im Ruhezustand und das Gerät kann transportiert werden.

Sicherheitshinweise hinsichtlich Temperatur und Luftfeuchtigkeit

Verwenden und lagern Sie das Gerät nur an Orten, an denen die angegebenen Temperatur- und Luftfeuchtigkeitswerte nicht über- oder unterschritten werden. (Ich folge den genauen Angabe dieses Gerätes und benutze es bitte.)

Bei defekter Festplatte

Beachten Sie bitte alle oben genannten Sicherheitshinweise, auch wenn die Festplatte bereits Fehlfunktionen aufweist. Damit lassen sich weitere Schäden verhindern, bis das Problem festgestellt und behoben werden kann.

Ersetzen der Festplatte und anderer Verbrauchsmaterialien

Festplatte, Lüfter und Batterie des Geräts sind Verbrauchsmaterialien, die regelmäßig ersetzt werden müssen. Wenn das Gerät bei Raumtemperatur betrieben wird, sollten die Teile ca. alle zwei bis drei Jahre ersetzt werden. Diese Ersatzfristen stellen jedoch nur eine allgemeine Richtlinie und keine Garantie der Lebensdauer dieser Teile dar. Weitere Informationen zum Austausch von Komponenten erhalten Sie bei Ihrem Händler.

Sicherheitshinweise für die Verwendung von USB-Geräten

- Dieses Gerät unterstützt standardmäßige USB 2.0-Massenspeichergeräte. Bei einigen Typen von USB 2.0-Massenspeichergeräten können allerdings Fehler beim Schreiben von Daten auf das Gerät auftreten. Verwenden Sie in diesem Fall ein USB-Speichergerät eines anderen Typs.
- Schließen Sie zur Gewährleistung des korrekten Betriebs USB-Geräte nicht über einen USB-Hub an. Schließen Sie die Geräte direkt an die USB-Anschlüsse an der Vorderseite und Rückseite des Geräts an. Wenn Geräte über einen USB-Hub, einen USB-Switch oder ein Verlängerungskabel angeschlossen werden, wird die Funktion nicht garantiert.

Überblick

Die Geräte der NSR-Serie sind Netzwerk-Überwachungsserver für Netzwerkkameras. Mit dem Gerät der NSR-Serie können Sie Bilder von Netzwerkkameras in den Formaten JPEG, MPEG-4, und H0.264 über das Netzwerk anzeigen und aufzeichnen. Ebenso ermöglicht es als vielseitiges Überwachungssystem das Durchsuchen und die Wiedergabe der aufgezeichneten Bilder.

Fernsteuerung kompatibler Kameras

Sie können die Funktionen Schwenken, Neigen und Zoom von kompatiblen Kameras steuern.

Kompatibel mit analogen Kameras

Sie können Bilder von analogen Kameras Überwachen und Aufzeichnen, indem Sie diese direkt an das Gerät anschließen¹⁾.

 Für das NSR-1200/1100 ist hierzu eine (optionale) NSBK-A16/A16H-Erweiterung erforderlich. Das NSR-1050H verfügt über einen integrierten NSBK-A16.

Kapazitätsstarke Festplatten für langfristige Aufzeichnungen

Das Gerät ist mit kapazitätsstarken Festplatten ausgerüstet und kann für langfristige Aufzeichnungen mit hoher Qualität erstellen. Referenzbeispiele finden Sie im Abschnitt "Referenzdaten für die Installation" (Seite 160).

Flache, platzsparende 2HE-Bauweise für 19-Zoll-Rackmontage

Mit dem optionalen Rack-Montagekit (als Zubehör erhältlich) kann der Recorder in ein 19-Zoll-Rack nach EIA-Standard (Universalraster) eingebaut werden.

Hoch auflösende Aufzeichnung bis zu 480 fps (VGA, JPEG)

Das NSR-1200 unterstützt bis zu 64 Kameras, das NSR-1100 bis zu 32 Kameras und das NSR-1050H bis zu 20 Kameras. Das NSR-1200 zeichnet Bilder mit einer Gesamtbildfrequenz von 480 fps¹⁾ (NSR-1100: 240 fps, NSR-1050H: 120 fps) in VGA-Auflösung (640 × 480 Pixel)²⁾ und im JPEG-Bildformat auf (1 Einzelbild = ca. 31 KB) und liefert damit eine gestochen scharfe Bildqualität.

- Maximale Bildfrequenz bei Anschluss von 16 Kameras an den Recorder. Jede Kamera verfügt über eine Bildfrequenz von ungefähr 30 fps. Diese Bildfrequenz kann unter Umständen durch Fragmentierung der internen Festplatten geringer ausfallen. Werte basieren auf Messungen von Sony. Diese Werte werden nicht garantiert, da die Leistung von den jeweiligen Umgebungsbedingungen abhängt.
- 2) Bei QuadVGA-Auflösung (1.280 × 960) beträgt die Bildfrequenz 1/4 des bei VGA-Auflösung erreichten Wertes.

Hohe Zuverlässigkeit

Das NSR-1200 unterstützt RAID 5¹⁾ und zeichnet sich durch hohe Zuverlässigkeit aus. Das System funktioniert auch dann noch, wenn eine Festplatte ausfällt. Zur weiteren Steigerung der Zuverlässigkeit unterstützt das NSR auch unterbrechungsfreie Stromversorgungen (USV).

1) RAID 5 ist ein System zur Aufteilung und Speicherung von Daten und Paritätsinformationen (Fehlerkorrekturcodes) auf mehreren Festplatten. Dieses System ermöglicht die Fortsetzung des Betriebs für den Fall, dass eine der Festplatten ausfällt. Es garantiert jedoch nicht die Wiederherstellung verlorener Daten. Aufgrund des hohen internen Verarbeitungsaufwands bei der Rekonstruktion nach dem Ersatz einer ausgefallenen Festplatte, ist das Gerät währenddessen möglicherweise nicht in der Lage, Bilder mit der festgelegten Aufzeichnungsrate zu speichern.

Andere Eigenschaften

- Durch benutzerdefinierte Layouts können Sie Bilder Layouts neben den Standard-Layouts 2 × 2 und 3 × 3 in einer Vielzahl weiterer Layouts anzeigen.
- Der NSR eignet sich u.a. für manuelle, geplante und alarmgesteuerte Aufzeichnungen.
- Das NSR ist mit einer Bewegungserkennungsfunktion über den Recorder¹⁾ (Video Motion Detection (Recorder)) ausgestattet.
- Suchläufe nach aufgezeichneten Bildern sind anhand von Kameranamen, Datum, Alarm und weiteren Kriterien möglich.
- Mit den dynamischen Maskierungsfunktionen²⁾ des NSR können Sie Privatsphäre-Bereiche definieren. Dynamische Maskierungsfunktionen können auf die Schwenk-, Neigungs- und Vergrößerungsfunktion angewendet werden.
- Eine präzise Alarmverarbeitung wird durch die Durchführung verschiedener Arten von Filterung³⁾ mit Hilfe der von der Kamera in Form von Objektinformations-Metadaten gesendeten Bildverarbeitungsergebnisse ermöglicht. Weil auf bereits aufgezeichnete Metadaten Filter angewendet werden können, können Sie auch Bereiche von Interesse suchen, nachdem die Aufzeichnung abgeschlossen ist.
- Tonaufnahme und -wiedergabe⁴⁾ sind mit kompatiblen Kameras möglich.
- 1) Einige Funktionen sind abhängig von der Anzahl angeschlossener Kameras eingeschränkt.
- 2) Einige Funktionen sind nur bei bestimmten Kameramodellen verfügbar.
- 3) Um Bewegungserkennung sowie Objecterkennung mit Hilfe von Metadaten durchzuführen, ist eine Kamera erforderlich, die eine Bewegungserkennung mit Metadaten unterstützt. Bei Verwendung von Metadaten empfehlen wir, nicht mehr als 32 Kameras zu benutzen.
- 4) Optionale Audioverstärker oder Lautsprecher werden benötigt.

Wichtig

Dieses Handbuch beschreibt nur die Installation und Konfiguration des NSR. Ausführliche Anleitungen zur Bedienung des Gerätes finden Sie im Benutzerhandbuch (PDF-Datei).

Systemanforderungen

Folgende Hardware ist für die Nutzung dieses Recorders erforderlich.

- Sony-Netzwerkkameras
 Informationen über kompatible SonyNetzwerkkameras erhalten Sie bei Ihrem Händler.
- Monitor¹⁾
- USB-Tastatur²⁾
- USB-Maus³⁾
- USB-Fernsteuerung⁴⁾
- Netzwerkswitch
- 1000Base-T/100Base-TX/10Base-T-Kabel
- USB-Speichergerät⁵⁾
- Das Gerät unterstützt HDMI-kompatible Geräte und Computermonitore mit Unterstützung für RGB-Eingangssignale.

Die folgenden Auflösungen können angegeben werden.

- Vollständige hoch auflösende Anzeige (1.920 × 1.080)
- WUXGA (1.920 × 1.200)
- Vollständiges XGA-Breitbildformat (1.360 × 768)
- UXGA (1.600×1.200)
- SXGA (1.280×1.024)
- XGA (1.024×768)
- Verwenden Sie eine USB-Tastatur mit Kabel. Die Funktion von Nichtstandardtasten kann nicht garantiert werden.
 Ebenso funktionieren USB-Tastaturen mit Funk- oder Infrarotschnittstelle unter Umständen nicht.
- 3) Verwenden Sie eine USB-Maus mit Kabel. Mäuse mit drei Tasten oder Scrollrad funktionieren möglicherweise nicht ordnungsgemäß. Ebenso funktionieren USB-Mäuse mit Funk- oder Infrarotschnittstelle unter Umständen nicht.
- Die Funktionen Schwenken, Neigung und Zoom der Kameras können mit einer Fernbedienung gesteuert werden
 - Dieses Gerät unterstützt Systemcontroller der Serie RM-NS1000 sowie IP Desktop USB-Controller von CH Products. Andere Fernbedienungen werden nicht unterstützt. Es darf immer nur eine Fernbedienung angeschlossen sein.
- 5) Erforderlich zum Erstellen von Sicherungskopien von Systeminformationen wie z. B. Protokolldateien.
 - Dieses Gerät unterstützt standardmäßige USB 2.0-Massenspeichergeräte. Bei einigen Typen von USB 2.0-Massenspeichergeräten können allerdings Fehler beim Schreiben von Daten auf das Gerät auftreten. Verwenden Sie in diesem Fall ein USB-Speichergerät eines anderen Typs.

Paketinhalt

Prüfen Sie, ob die nachfolgend aufgeführten Gegenstände in der Packung enthalten sind:

NSR-1200/1100

- NSR-1200/1100 (1)
- Schlüssel für Frontblende (2)
- Installationshandbuch (dieses Dokument) (1)
- Kurzanleitung (1)
- Überwachungsfenster-Benutzerhandbuch (1)
- Sicherheitsbestimmungen (1)
- WEEE-Broschüre (1)
- Garantieheft (1)
- Gummifüße (4)

NSR-1050H

- NSR-1050H (1)
- Schlüssel für Frontblende (2)
- Kabel für analoge Kameraeingangssignale (1)
- Installationshandbuch (dieses Dokument) (1)
- Kurzanleitung (1)
- Überwachungsfenster-Benutzerhandbuch (1)
- Sicherheitsbestimmungen (1)
- WEEE-Broschüre (1)
- Garantieheft (1)
- Gummifüße (4)

Hinweise

- Diese Packung enthält möglicherweise zusätzliche Hardware und die dazugehörige Dokumentation.
- Heben Sie die Kartons und Verpackungsmaterialien zur späteren Verwendung auf.
- Der Rack-Montagesatz (NSR-RM1) und die Systemcontroller (RM-NS1000) sind optional (separat erhältlich).

Herunterladen von auf dem NSR gespeicherten Dateien

Auf dem NSR-Gerät sind Dokumente (z. B. Benutzerhandbücher) und Softwarewerkzeuge gespeichert . Folgendermaßen können Sie die auf dem NSR gespeicherten Dateien herunterladen.

- **1** Geben Sie in einem FTP-Client (z. B. Internet Explorer) auf Ihrem Computer die folgende URL-Adresse ein. ftp://ftptool@<IP-Adresse des NSR>
- Geben Sie folgenden Benutzernamen und folgendes Kennwort ein. Benutzername:ftptool

Kennwort: ftptool

Hinweis

Um den Benutzernamen und das Kennwort zu ändern, ändern Sie die Konfiguration [Enable user to Get Tools from Remote] im Bereich "FTP" des Einrichtungsmenüs. Wenn Sie den Benutzernamen ändern, müssen Sie auch in der angegebenen URL-Adresse den Teil nach dem "ftp://" entsprechend dem neuen Benutzernamen ändern:

"Benutzername@<IP-Adresse des NSR>".

Im FTP-Client werden die folgenden Ordner und Dateien angezeigt:

3 Klicken Sie auf die Ordner mit den gewünschten Dateien.

Ordner

Manual: enthält Benutzerhandbücher (im

PDF-Format).

SourceCode: Enthält die GPL/LGPL-Quellcodes

und weitere dazugehörige Daten.

Tool: enthält RealShot Manager

Advanced und Media File Player.

Datei

README.txt: enthält Informationen zu den

einzelnen Ordnern.

Die in den Ordnern enthaltenen Dateien werden angezeigt.

4 Klicken Sie auf die Dateien, die Sie herunterladen möchten.

Verwenden des PDF-Handbuchs

Auf dem NSR sind Benutzerhandbücher und andere Dokumente gespeichert (in japanischer, englischer, französischer, deutscher, italienischer, spanischer, chinesischer Sprache und Russisch). Die Kopien dieser Handbücher sind im PDF-Format erstellt.

Vorbereitung

Um die auf dem NSR gespeicherten Benutzerhandbücher verwenden zu können, muss die folgende Software auf dem Computer installiert sein.

• Adobe Reader ab Version 6.0

Hinweis

Wenn Adobe Reader nicht installiert ist, können Sie die Anwendung von der folgenden URL-Adresse herunterladen:

http://www.adobe.com/

Adobe und Adobe Reader sind in den USA und anderen Ländern Warenzeichen oder eingetragene Warenzeichen von Adobe Systems Incorporated.

Anzeigen der Handbücher im PDF-Format

- 1 Laden Sie entsprechend der Anleitung im Abschnitt "Herunterladen von auf dem NSR gespeicherten Dateien" das Handbuch für Ihre Sprache aus dem Ordner "Handbuch" auf dem NSR herunter.
- **2** Doppelklicken Sie auf die heruntergeladene Datei.

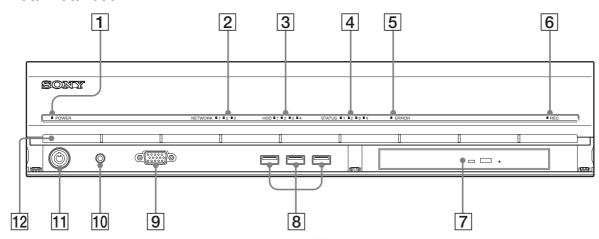
Hinweis

Abhängig von der verwendeten Version von Adobe Reader kann die Datei möglicherweise nicht ordnungsgemäß angezeigt werden. Wenn die Datei nicht ordnungsgemäß angezeigt wird, laden Sie von der im Abschnitt "Vorbereitung" angegebenen URL-Adresse die aktuelle Version von Adobe Reader herunter.

Eigenschaften und Funktionen

Vorderseite (Bei geöffneter Decke)

NSR-1200/1100/1050H



1 Power-LED

Leuchtet grün, wenn das Hochfahren abgeschlossen ist. Leuchtet gelb, wenn das Gerät im Bereitschaftszustand ist.

2 Netzwerk-LED (1 bis 3)

Leuchtet grün, wenn der entsprechende LAN-Anschluss auf der Rückseite des NSR aktiv ist.

3 Festplatten-LED

Blinkt grün, wenn auf die internen Festplatten zugegriffen wird.

Leuchtet gelb, wenn bei einer Festplatte ein Fehler aufgetreten ist.

4 Status-LED (1 bis 4)

Leuchten nacheinander (in Reihenfolge 1, 2, 3, 4), wenn das NSR gestartet wird. Wenn ein Fehler auftritt, leuchtet die entsprechende Status-LED gemeinsam mit der Fehler-LED, welche durch Leuchten oder Blinken den Typ des Fehlers anzeigt.

Ausführliche Informationen hierzu finden Sie im Abschnitt "STATUSANZEIGE" (Seite 182).

5 Fehler-LED

Leuchtet oder blinkt, wenn ein Fehler auftritt.

6 REC-LED

Leuchtet beim Aufzeichnen von Bildern.

7 DVD/CD-Laufwerk

Verwenden Sie dieses Laufwerk, um Daten von den NSR-Festplatten auf DVD und CD zu schreiben.

8 USB-Anschluss

Schließen Sie hier eine USB-Tastatur, eine Maus, einen USB-Flash-Speicher oder einen Systemcontroller (RM-NS1000) an das NSR an.

9 Monitoranschluss 1

Schließen Sie hier einen Monitor an.

Monitoranschluss 1 (und Monitoranschluss 1 auf der Rückseite des Gerätes) sowie HDMI-Monitoranschluss 1 auf der Rückseite des Gerätes können nicht gleichzeitig verwendet werden.

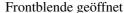
10 Netzschalter

Zum Einschalten des Geräts drücken. (Mit diesem Schalter können Sie das Gerät nicht ausschalten.)

11 Schloss

Mit dem im Lieferumfang enthaltenen Schlüssel für die Frontblende können Sie hiermit die Frontblende verriegeln. Wenn die Frontblende verriegelt ist, kann sie nicht herausgezogen werden. Die Frontblende darf nicht in herausgezogenem Zustand verriegelt werden. Die folgende Abbildung zeigt das Schloss in verriegelter und in geöffneter Position.

Frontblende verriegelt







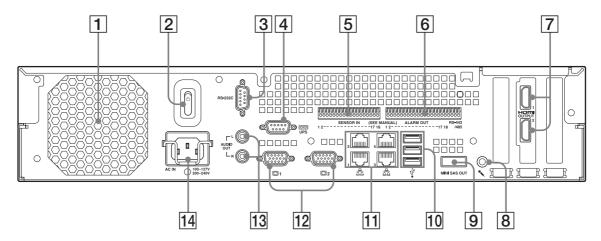
12 Belüftungsöffnungen

Ermöglichen das Strömen von Luft von der Vorderseite des NSR bis zur Rückseite.

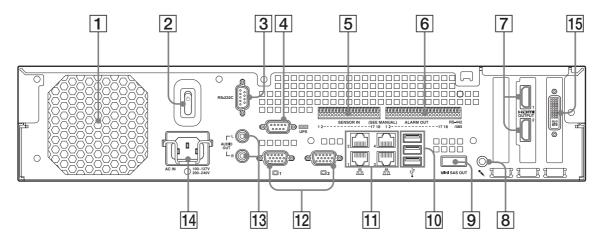
Die Belüftungsöffnungen dürfen nicht abgedeckt werden. Das Ansammeln von im inneren Gitter der Belüftungsöffnungen ist zu verhindern. Der Luftstrom darf auf keine Weise behindert werden, da dies zur Entstehung eines Wärmestaus im NSR und in der Folge zu Entzündungen oder Beschädigungen führen kann.

Rückseite

NSR-1200/1100



NSR-1050H



1 Lüfter

Die Lüfteröffnungen dürfen nicht abgedeckt werden, da dies zur Entstehung eines Wärmestaus im Gerät und in der Folge zu Entzündungen oder Beschädigungen führen kann.

2 Netzschalter

Drücken Sie zum Einschalten des Geräts den Netzschalter auf der Seite ().

3 RS-232C-Anschluss

Verwenden Sie diesen Anschluss zum Steuern analoger Kameras.

Dieser Anschluss kann nicht gleichzeitig mit dem RS-422/485-Anschluss (die vier Kontakte ganz rechts am Alarmausgangsanschluss 6) verwendet werden.

4 USV-Anschluss (RS-232C)

Schließen Sie hier die Kontrollleitung einer unterbrechungsfreien Stromversorgung (USV) an.

5 Sensor-Eingangsanschluss

Schließen Sie hier die Sensor-Eingangssignalleitungen an.

Einzelheiten zum Anschluss und Verkabelungsdiagramme für die Sensoreingänge finden Sie im Abschnitt "E/A-Anschluss" (Seite 183).

6 Alarmausgangsanschluss

Schließen Sie hier die Alarmausgangsleitungen an. Einzelheiten zum Anschluss und ein Verkabelungsdiagramm für den Alarmausgang finden Sie im Abschnitt "E/A-Anschluss" (Seite 183).

7 HDMI-Monitor-Anschlüsse (1 und 2)

Schließen Sie hier Monitore mit Unterstützung für HDMI-Eingangssignale an.

HDMI-Monitoranschluss 1 und 12-Monitoranschluss 1 (sowie Monitoranschluss 1 auf der Rückseite des Gerätes) können nicht gleichzeitig verwendet werden. HDMI-Monitoranschluss 2 und 12-Monitoranschluss 2 können ebenfalls nicht gleichzeitig verwendet werden.

8 Audioeingang

Schließen Sie hier ein Audiosignal eines Peripherie-Audiogeräts, z. B. eines Mikrofons, an. Plug-In Power-Mikrofone werden unterstützt.

9 Mini-SAS-Ausgangsanschluss

Schließen Sie hier das Mini-SAS-Kabel für die Verbindung zu einem NSRE-S200 an. Das NSRE-S200 ist ein optionales Erweiterungsspeichergerät.

10 USB-Anschluss

Schließen Sie hier eine USB-Tastatur, eine Maus, einen USB-Flash-Speicher oder einen Systemcontroller (RM-NS1000) an das NSR an.

11 LAN-Anschlüsse (1 bis 4)

Schließen Sie hier 10 Base-T-, 100 Base-TX- oder 1000 Base-T-Netzwerkabel an.

LAN1: Netzwerkkameras $^{1)}$

LAN2: Netzwerkkameras¹⁾ (LAN2 kann nur bei Verwendung eines von LAN1 verschiedenen Segments eingesetzt werden.)

 Verbinden Sie Remote-Clients mit dem durch die auf dem Bildschirm [Serverkonfiguration] befindliche Einstellung [Netzwerkschnittstelle für fernen Client] festgelegten Netzwerk (entweder LAN1 oder LAN2). Einzelheiten siehe Bedienungsanleitung (PDF).

LAN3: Für iSCSI-Speicher²⁾ LAN4: Für iSCSI-Speicher²⁾

2) Informationen zur Verwendung von iSCSI-Speichergeräten erhalten Sie bei Ihrem Sony-Händler.

Achtung

Die LAN-Anschlüsse 1 bis 3 dürfen nicht für dieselbe Netzwerkumgebung konfiguriert sein.

12 Monitoranschlüsse (1 und 2)

Schließen Sie hier einen Monitor an.
Monitoranschluss 1 (und Monitoranschluss 1 auf der Rückseite des Gerätes) sowie 7 HDMIMonitoranschluss 1 auf der Rückseite des Gerätes können nicht gleichzeitig verwendet werden. Ebenso können Monitoranschluss 2 sowie 7 HDMIMonitoranschluss 2 nicht gleichzeitig verwendet werden.

| 13 | Audioausgangsanschlüsse (L und R)

Geben Sie über diese Anschlüsse ein Audiosignal an Peripherie-Audiogeräte aus.

|14| Stromversorgungsanschluss

Schließen Sie hier das Netzkabel an.

15 Eingangsanschluss für analoges Kamerakabel

Schließen Sie hier analoge Kameras über das Kabel für analoge Kameraeingangssignale an.

Das NSR-1050H ist standardmäßig mit diesem Anschluss ausgerüstet. Beim NSR-1200/1100 ist eine (optionale) NSBK-A16/A16H-Erweiterung erforderlich.

Referenzdaten für die Installation

Stromverbrauch und Einschaltstrom

Modell	Eingangssp annung (~)	Volllast	Einschaltst rom
NSR-1200	100 V	2,66 A	
NSK-1200	220 V	1,14 A	_
NSR-1100	100 V	1,84 A	_
	220 V	0,79 A	- - 13 A
NSR-1050H	100 V	1,75 A	- 13 A
NSK-1030H	220 V	0,76 A	_
NCDE COO	100 V	0,79 A	_
NSRE-S200	220 V	0,34 A	_

Speicherkapazität für gespeicherte Daten

Sie können die Konfigurationen und die Festplattenkapazität des NSR-1200/1100/1050H sowie des optionalen Erweiterungsspeichers¹⁾ überprüfen, indem Sie im Anmeldebildschirm des NSR-1000 auf [Information] klicken. Die tatsächliche Speicherkapazität²⁾, innerhalb derer Daten gespeichert werden können, ist auch auf der Registerkarte [Speicherplatz] des Bildschirms Server zu sehen.

- 1) Die Kapazitäten für Festplattelaufwerke sind Näherungswerte auf der Grundlage der folgendermaßen vereinfachten Berechnung für 1 GB: 1.000 × 1.000 × 1.000 = 1.000.000.000 Byte
- Die Speicherkapazitäten sind N\u00e4herungswerte auf der Grundlage der folgenden Berechnung f\u00fcr 1 GB: 1.024 × 1.024 × 1.024 = 1.073.740.000 Byte

Anzahl der Kameras

Maximale Anzahl von Kameras

Modell	Maximale Anzahl von Kameras		
NSR-1200	64		
NSR-1100	32		
NSR-1050H	20		

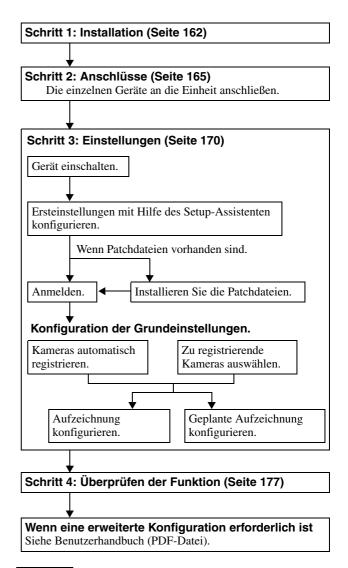
Maximale Anzahl analoger Kameras (in Gesamtzahl der Kameras enthalten)

Modell	Maximale Anzahl analoger Kameras
NSR-1200	16 (mit optionalem NSBK-A16/A16H)
NSR-1100	16 (mit optionalem NSBK-A16/A16H)
NSR-1050H	16

Maximale Anzahl von Audiokanälen

Modell	Maximale Anzahl von Audiokanälen
NSR-1200	64
NSR-1100	32
NSR-1050H	20

Vorbereitungsschritte



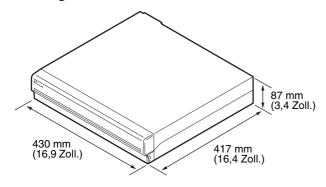
Achtung

Mit steigender Zahl an NSR-kompatiblen Kameras und Funktionen werden von Sony stets neue Patchdateien herausgegeben. Wenden Sie sich an Ihren Sony-Händler. Informationen erhalten Sie unter "Installieren von Patchdateien" (Seite 179).

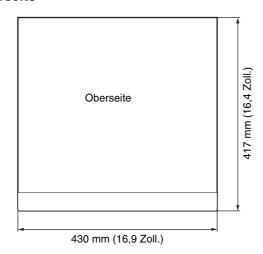
Schritt 1: Installation

Stellen Sie vor der Installation des Gerätes sicher, dass der Aufstellungsort genügend Platz bietet und stabil genug ist, um das das Gerät zu tragen.

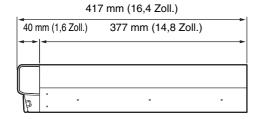
Das NSR-1200 wiegt ca. 13.5 kg (29,8 lb.), das NSR-1100 wiegt ca. 12 kg (26,7 lb.) und das NSR-1050H wiegt ca. 11.5 kg (25,4 lb.). Das Gerät besitzt folgende Abmessungen.



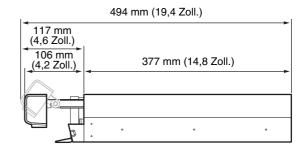
Oberseite

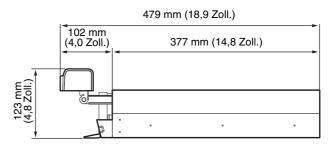


Bei geschlossener Frontblende



Bei geöffneter Frontblende



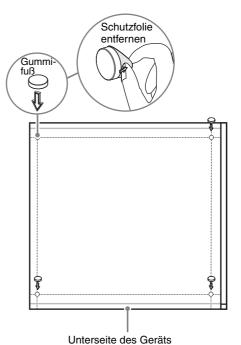


Mit Hilfe des optionalen Rack-Montagesatzes können Sie das Gerät in einem Rack installieren.

Installation ohne Rack

Bringen Sie die mitgelieferten Gummifüße am Recorder an.

Stellen Sie den Recorder senkrecht, so dass die Unterseite sichtbar ist. Kleben Sie dann wie nachfolgend abgebildet die Gummifüße an die Unterseite des Recorders.



Installation im Rack

Bei Einbau des Geräts der NSR in ein Rack ist das wahlweise erhältliche Rack-Montagekit (wird separat verkauft) zu verwenden.

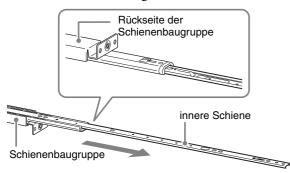
Warnung

- Verwenden Sie für den NSR ausschließlich das optional erhältliche Rack-Montagekit (wird separat verkauft). Die Verwendung von anderem Material ist gefährlich und kann zu Bränden, elektrischen Schlägen oder Verletzungen führen.
- Wenn Sie den NSR in einem Rack montieren, stellen Sie keine schweren Gegenstände auf den Recorder.
- Wir empfehlen, vor der Montage des NSR in einem Rack die Montageposition mit einem Filzschreiber zu kennzeichnen. Wird der NSR im Rack nicht horizontal montiert, kann dies zu Fehlfunktionen führen.
- Das Rack-Montagekit können Sie über Ihren Fachhändler bestellen.

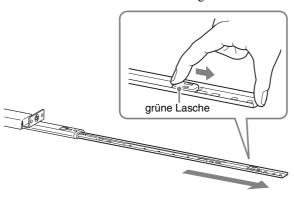
Herausziehen der inneren Schienen

Ziehen Sie die inneren Schienen der Schienenbaugruppen heraus.

1 Ziehen Sie dabei aus einer Baugruppe die innere Schiene so weit wie möglich heraus.



2 Drehen Sie die Schienenbaugruppe um. Ziehen Sie an der grünen Lasche, um die Sperre zu entriegeln, und ziehen Sie die innere Schiene ganz heraus.



3 Wiederholen Sie diesen Vorgang mit der anderen Schienenbaugruppe.

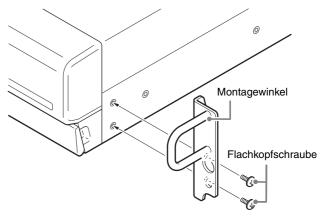
Hinweis

Die innere Schiene wird am NSR montiert, die Schienenbaugruppe jedoch im Rack.

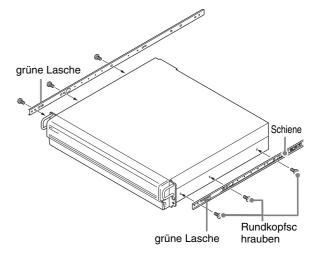
Vorbereiten des NSR

Verwenden Sie die mitgelieferten Verbinder und Schrauben, um die innere Schiene am NSR anzubringen.

1 Bringen Sie mit Hilfe der mitgelieferten Flachkopfschraube die Montagewinkel an der Vorderseite der Seitenwand an.



Werwenden Sie die restlichen Rundkopfschrauben zum Anbringen der Schienen am NSR (siehe Abbildung).



Vorsicht

Verwenden Sie nur die im Lieferumfang enthaltenen Schrauben, um Beschädigungen des Gerätes zu vermeiden. Befestigen Sie die Schienen mit den beiliegenden Schrauben.

Vorbereiten des Racks

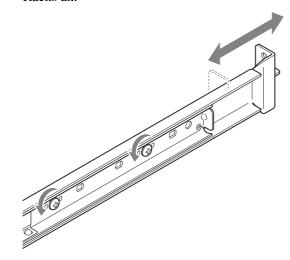
Installieren Sie die Schienen im Rack.

 Legen Sie die Montageposition der Schienen im Rack vorher fest.
 Wir empfehlen, die Position mit einem Filzschreiber zu kennzeichnen.

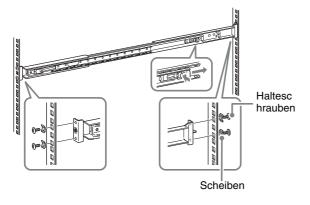
Vorsicht

Wenn die Schienen auf unterschiedlicher Höhe montiert werden, kann dies zu Fehlfunktionen des NSR führen.

Installieren Sie die Schienen im Rack.(1) Passen Sie die Länge der Schienen der Tiefe des Racks an.



(2) Sichern Sie mit Hilfe der mitgelieferten Halteschrauben und Scheiben beide Enden der Schienen im Rack.



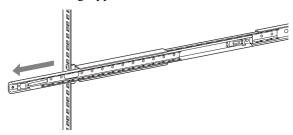
Montieren des NSR im Rack

Setzen Sie den NSR in das Rack ein, und sichern Sie ihn.

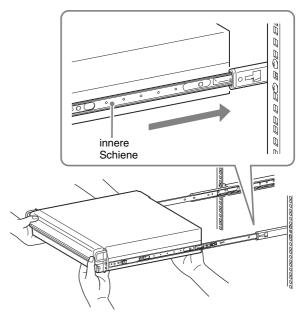
Vorsicht

Ziehen Sie zur Vermeidung von Verletzungsgefahren die Hilfe einer weiteren Person heran, wenn Sie das Gerät bewegen.

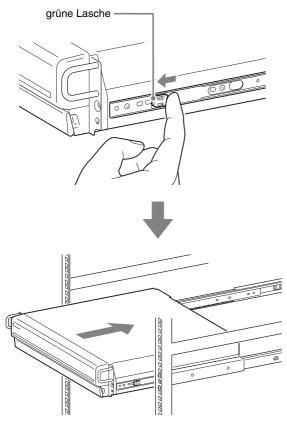
1 Ziehen Sie die Gleitschienen der Schienenbaugruppen heraus.



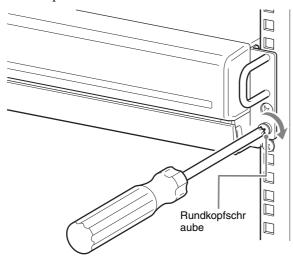
Heben Sie den NSR an, führen Sie die inneren Schienen in die Gleitschienen ein (weiß), und schieben Sie die Baugruppe dann bis zum Anschlag ein.



3 Geben Sie die Verriegelung frei, indem Sie die grüne Lasche ziehen, und schieben Sie den NSR so weit wie möglich hinein.



4 Sichern Sie den NSR mit Hilfe der mitgelieferten Rundkopfschrauben und Scheiben am Rack.



Installieren der optionales Zubehör

Über der Installation von NSRE-S200, beziehen Sie sich bitte auf das Handbuch, das an NSRE-S200 befestigt wird. Weitere Informationen zu optionalen NSBK-A16/A16H-Erweiterungen erhalten Sie bei Ihrem Sony-Händler.

Schritt 2: Anschlüsse

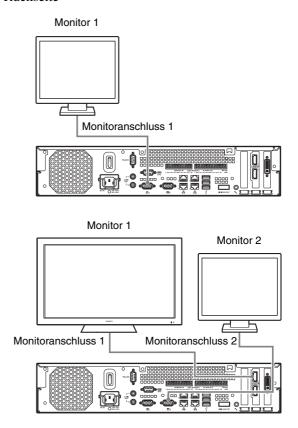
Schließen Sie die einzelnen Geräte an die Einheit an.

Anschließen des Monitors

Wenn ein Monitor angeschlossen wird, ist dieser an den analogen RGB-Monitoranschluss 1 oder den HDMI-Monitoranschluss 1 anzuschließen.

Wenn ein zweiter Monitor angeschlossen wird, wird dieser an den analogen RGB-Monitoranschluss 2 oder den HDMI-Monitoranschluss 2 angeschlossen.
Ausführliche Informationen hierzu finden Sie im Abschnitt "Beispiele für den Anschluss von Monitoren" (Seite 180).

Beispiel) Anschließen an die Monitoranschlüsse auf der Rückseite



Während des Betriebs empfohlene Anschlussverteilung

Monitor		Zu verwendende Anschlüsse			
		HDMI- Monitoran schluss 1	HDMI- Monitoran schluss 2	Analoger RGB- Monitoran schluss 1	Analoger RGB- Monitoran schluss 2
Ein Monitor	HDMI- Monitor	0	-	-	-
	Analoger RGB- Monitor	_	_	0	_
Zwei Monitore	HDMI- Monitor × 2	0	0	-	-
	Analoger RGB- Monitor × 2	_	_	0	0
	HDMI- Monitor und analoger	0	-	-	0
	RGB- Monitor	_	0	0	_

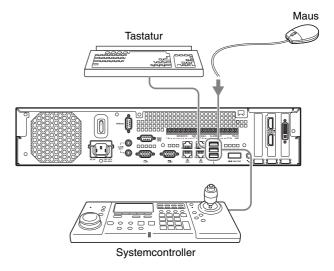
Hinweise

- Das Gerät verfügt über drei Monitoranschlüsse mit der Beschriftung "1" (analog RGB ×2; HDMI ×1) und zwei Monitoranschlüsse mit der Beschriftung "2" (analog RGB ×1; HDMI ×1). Es können jedoch nicht mehrere Anschlüsse mit derselben Beschriftung gleichzeitig verwendet werden.
- Schalten Sie das Gerät nicht ein, wenn Monitore am analogen RGB-Monitoranschluss 1 auf der Vorderseite und der Rückseite des Geräts angeschlossen sind.
- Wenn das Gerät mit nur einem analogen RGB-Monitor betrieben wird, schließen Sie den Monitor nicht an den analogen RGB-Monitoranschluss 1 auf der Vorderseite des Geräts an, während das Gerät eingeschaltet ist.
- Wenn zwei analoge RGB-Monitore angeschlossen werden, verwenden Sie keine HDMI-Monitor-Anschlüsse.
- Wenn HDMI-Monitore verwendet werden, schließen Sie den HDMI-Monitor an und schalten Sie ihn ein, ehe Sie das Gerät einschalten.
- Wenn ein HDMI-Monitor an den HDMI-Monitoranschluss 2 angeschlossen wird, wird der Bildschirm zum Neustarten und Herunterfahren nur auf Monitor 2 angezeigt.
- Schließen Sie keinen Monitor an den HDMI-Monitoranschluss 1 an, wenn Sie den analogen RGB-Monitoranschlusses 1 auf der Vorderseite des Geräts verwenden.
- Wenn Monitore über einen Monitorswitch angeschlossen werden, werden die Bilder unter Umständen nicht immer angezeigt. Wir empfehlen, die Monitore direkt an das Gerät anzuschließen.

Anschließen von Tastatur, Maus und Systemcontroller

Schließen Sie die Geräte an die USB-Anschlüsse an der Vorderseite und Rückseite des Geräts an.

Beispiel) Anschließen der Geräte an die USB-Anschlüsse auf der Rückseite des Geräts

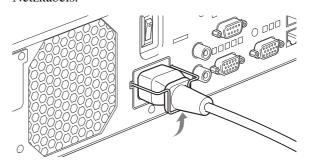


Hinweise

- Dieses Gerät unterstützt Systemcontroller der Serie RM-NS1000 sowie IP Desktop USB-Controller von CH Products. Andere Fernbedienungen werden nicht unterstützt.
- Lesen Sie bei Verwendung von USB-Geräten zunächst den Absatz "Sicherheitshinweise für die Verwendung von USB-Geräten" (Seite 153) im oben stehenden Abschnitt "Sicherheitsmaßnahmen".

Anschließen des Netzkabels

Schließen Sie den Netzstecker an den Stromversorgungsanschluss an. Verhindern Sie durch Befestigen der Sicherungsklammer das Herausrutschen des Netzkabels.

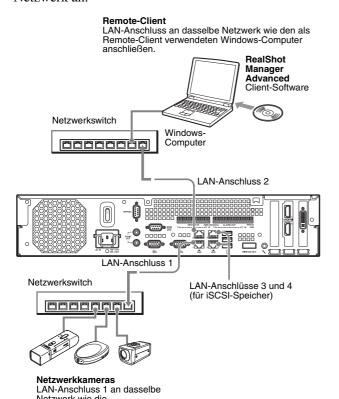


Achtung

- Lesen Sie vor dem Installieren des Gerätes den Abschnitt "Wichtige Installationsinformationen" (Seite 152). Wenn das Gerät in Kombination mit mehreren NSR-Einheiten oder einem optionalen NSRE-S200 verwendet wird, ist eine ausreichende Stromversorgung sicherzustellen.
- Informationen über Stromverbrauch und Einschaltstrom der Geräte NSR-1200/1100/1050H und NSRE-S200 finden Sie unter ,,Referenzdaten für die Installation" (Seite 160).

Anschließen an ein Netzwerk

Schließen Sie das System folgendermaßen an das Netzwerk an.



Anschlüsse an Remote-Clients

Netzwerkkameras anschließen.

Wenn ein Remote-Client erforderlich ist, können Sie das im Lieferumfang dieses Geräts enthaltene RealShot Manager Advanced-Client-Software verwenden.

 Verwenden Sie die im Lieferumfang dieses Geräts enthaltene Version von RealShot Manager Advanced. Informationen zum Herunterladen des Installationsprogramms für RealShot Manager Advanced finden Sie im Abschnitt "Herunterladen von auf dem NSR gespeicherten Dateien" (Seite 156). Ausführliche Informationen über die Installation und das Herstellen der Verbindung zum NSR finden Sie im

- RealShot Manager Advanced Installationshandbuch (PDF-Datei).
- RealShot Manager Advanced-Client-Software ist auf Windows-Computern lauffähig. Ausführliche Informationen über empfohlene Systemspezifikationen finden Sie in den im Installations-Archiv für RealShot Manager Advanced Client-Software enthaltenen Release-Hinweisen.
- Wenn RealShot Manager Advanced als Fernbedienung für das NSR verwendet werden soll, wählen Sie während Installation von RealShot Manager Advanced die Option [Client].
- Verwenden Sie zum Herstellen der Verbindung zum lokalen Netzwerk des Benutzers den LAN-Anschluss
 2.
- Ausführliche Informationen über die NSR-Einstellungen bei Verwendung der RealShot Manager Advanced-Client-Software finden Sie im Abschnitt ,,Konfigurationen für die Verwendung von RealShot Manager Advanced Controller" (Seite 177).

LAN-Anschlüsse 3 und 4 (für iSCSI-Speicher)

Da die LAN-Anschlüsse 3 und 4 sind aus Gründen der Netzwerk-Redundanz durch Channel-Bonding gekoppelt sind, kann beiden Anschlüssen nur eine IP-Adresse zugewiesen werden.

Achtung

iSCSI-Speicher darf nicht in Verbindung mit einem NSRE-S200 verwendet werden.

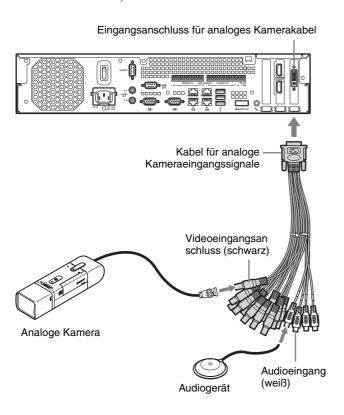
Hinweise

- Für das Gerät gelten folgende Standard-IP-Adressen.
 - LAN-Anschluss 1: 192.168.0.1
 - LAN-Anschluss 2: 192.168.1.1
 - LAN-Anschluss 3: 192.168.2.1
 - LAN-Anschluss 4: 192.168.2.1
- Wenn Sie die Standard-IP-Adressen ändern möchten, beachten Sie die entsprechenden Hinweise im Benutzerhandbuch (PDF-Datei).

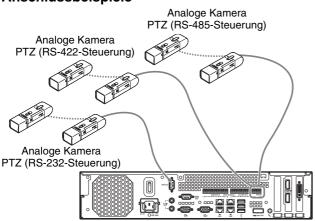
Anschließen einer analogen Kamera

Schließen Sie die analoge Kamera mit dem im Lieferumfang enthaltenen Kabel für analoge Kameraeingangssignale an.

Um die Funktionen Schwenken, Neigung und Zoom zu steuern, schließen Sie an den RS-232C-Anschluss oder den RS-422/485-Anschluss (die vier Kontakte ganz rechts am Alarmausgangsanschluss) ein Kamerasteuerungskabel an. (Die Anschlüsse RS-232C, RS-422 und RS-485 können nicht gleichzeitig verwendet werden.)



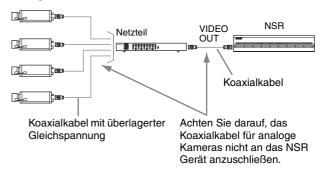
Anschlussbeispiele



Achtung

Bei der Verwendung von Kameras und Stromversorgungseinheiten, die über das Video-Koaxialkabel Gleichspannung übertragen, ist die Verkabelung mit Vorsicht vorzunehmen. Wenn das Kamerakabel, über das die Gleichspannung übertragen wird, mit dem NSR verbunden ist, können Funktionsstörungen auftreten.

Analoge -Kameras



Hinweise

- Das NSR-1050H ist standardmäßig mit dem Kabeleingang der analogen Kamera ausgerüstet. Beim NSR-1200/1100 ist eine (optionale) NSBK-A16/ A16H-Erweiterung erforderlich.
- Beim Verwenden der Schwenk-, Neige- und Zoomfunktion muss eine eindeutige Steuerungsnummer konfiguriert werden. Informationen zum Konfigurieren von Steuerungsnummern entnehmen Sie der Bedienungsanleitung der analogen Kamera.
- Informationen über die Kontaktbelegung des RS-422/485-Anschlusses finden Sie im Abschnitt "Stiftzuweisung des E/A-Anschlusses" (Seite 183).

Anschließen eines NSRE-S200

Verbinden Sie das NSR-1200/1100/1050H mit Hilfe des im Lieferumfang des optionalen NSRE-S200 enthaltenen Mini-SAS-Kabels folgendermaßen mit dem NSRE-S200.

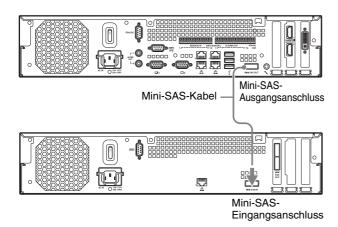
Sie können bis zu sieben NSRE-S200-Einheiten an das NSR-1200/1100/1050H anschließen.

Einzelheiten zu den Anschlusskonfigurationen siehe "NSRE-S200-Anschlussbeispiel" (Seite 181).

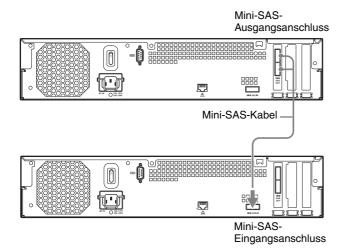
Hinweis

Verbinden Sie das NSR-1200/1100/1050H und das NSRE-S200, ehe Sie das Gerät einschalten.

Verbinden des NSR-1200/1100/1050H mit dem NSRE-S200



Anschließen zweier NSRE-S200-Einheiten



Achtung

- Das NSRE-S200 darf nicht in Verbindung mit iSCSI-Speicher verwendet werden.
- Stellen Sie sicher, dass das Mini-SAS-Kabel korrekt angeschlossen ist, so dass es sich nicht löst. Wenn sich ein Mini-SAS-Kabel während des Betriebs löst, kann es zu Aufnahmefehlern kommen. Schalten Sie die Geräte vor dem Anschließen oder Trennen von Mini-SAS-Kabeln stets aus.

Anschließen weiterer Geräte

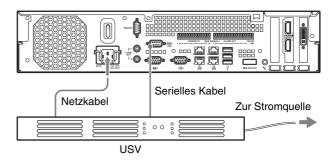
Anschließen von Sensoreingängen und Alarmausgängen

Schließen Sie die Kabel an den Sensor-Eingangsanschluss und den Alarmausgangsanschluss an.

Ausführliche Informationen hierzu finden Sie im Abschnitt "E/A-Anschluss" (Seite 183).

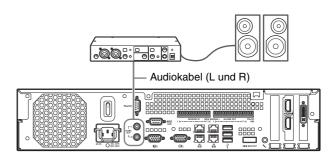
Anschließen einer unterbrechungsfreien Stromversorgung (USV)

- 1 Schließen Sie die USV an die Steckdose an.
- **2** Schließen Sie das NSR mit dem im Lieferumfang enthaltenen Netzkabel an die USV an.
- 3 Schließen Sie das NSR mit dem hierzu vorgesehenen seriellen Kabel über den seriellen Anschluss auf der Rückseite des NSR an die USV an.



Anschließen eines Audioausgabegeräts

Schließen Sie das Audioausgabegerät an die Audioausgangsanschlüsse (L und R) an.



Schritt 3: Einstellungen

Dieser Abschnitt enthält Informationen zum Einschalten des Geräts und allgemeine Erklärungen zum Registrieren von Kameras und anderen Geräten.

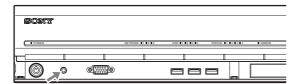
Einschalten des Geräts

Sie können das Gerät durch Drücken des Netzschalters auf der Vorderseite oder Rückseite des Geräts einschalten. Wenn ein optionales NSRE-S200 angeschlossen ist, warten Sie zunächst, bis das NSRE-S200 in Betrieb ist, und schalten Sie dann dieses Gerät ein.

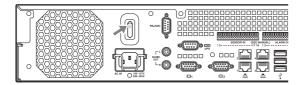
Achtung

Berücksichtigen Sie den Einschaltstrom beim Konfigurieren der Netzanschlüsse für Systeme mit mehreren NSR-Einheiten oder einem NSRE-S200-Gerät. Beispiele zum Einschaltstrom finden Sie im Abschnitt "Referenzdaten für die Installation" (Seite 160).

Netzschalter auf der Vorderseite



Netzschalter auf der Rückseite



Wenn das Gerät eingeschaltet ist, leuchtet die Power-LED an der Frontblende.

Beim ersten Start des Geräts wird automatisch der Konfigurationsassistent aufgerufen.

Fahren Sie mit dem folgenden Abschnitt "Konfigurieren der Ersteinstellungen mit Hilfe des Setup-Assistenten" fort.

Hinweise

- Nach dem Einschalten des Geräts ist unter Umständen etwa zwei Sekunden lang ein lautes Lüftergeräusch zu hören. Dies ist keine Fehlfunktion.
- Wenn das Gerät über die Systemfunktionen abgeschaltet wurde, schalten Sie es durch Drücken des

- Netzschalters auf der Vorderseite oder der Rückseite des Geräts ein.
- Wenn eine Abschaltung erzwungen wurde, kann der Start des Geräts unter Umständen länger dauern.

Abschalten des Geräts

Klicken Sie nach der Anmeldung am NSR im oberen Bereich des Bildschirms "Haupt" auf wählen Sie im angezeigten Menü die Option [Herunterfahren] aus.

Hinweis

Normalerweise schaltet sich das Gerät nach einigen Minuten ab. Wenn sich das Gerät nicht nach einigen Minuten abschaltet, erzwingen Sie die Abschaltung, indem Sie den Netzschalter auf der Rückseite des Geräts mindestens 5 Sekunden lang in die Position () drücken.

Konfigurieren der Ersteinstellungen mit Hilfe des Setup-Assistenten

Dieser Abschnitt erklärt den allgemeinen Ablauf des Setup-Assistenten. Ausführlichere Informationen zu den Einstellungen finden Sie im Abschnitt "Ändern der Ersteinstellungen mit dem Einrichtungsmenü" im Benutzerhandbuch (PDF-Datei).

Der Setup-Assistent wird beim ersten Einschalten des Geräts automatisch gestartet. Sie können dieselben Einstellungen später konfigurieren, indem Sie vom Anmeldebildschirm in das Verwaltungsmenü und dann zum Einrichtungsmenü wechseln.

Details dazu finden Sie in "Zugreifen auf das Einrichtungsmenü vom Anmeldebildschirm aus" (Seite 174).

Vorsicht

Einige Texte werden auf dem Bildschirm auf Englisch, in dieser Bedienungsanleitung aber auf Deutsch angezeigt.

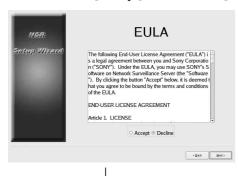
Wenn Sie das Gerät einschalten, wird der folgende Bildschirm angezeigt und der Setup-Assistent gestartet.



Klicken Sie auf [Next].



Lesen Sie die Lizenzvereinbarung sorgfältig durch, klicken Sie auf [Accept] und dann auf [Next].



Wählen Sie eine Anzeigesprache aus, und klicken Sie auf [Next].



Wählen Sie eine Sprache für die Tastatur aus, und klicken Sie auf [Weiter].

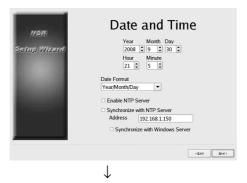


Wählen Sie eine Zeitzone aus, und klicken Sie auf [Weiter].

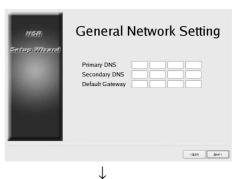


Stellen Sie Datum und Uhrzeit ein, und klicken Sie auf [Weiter].

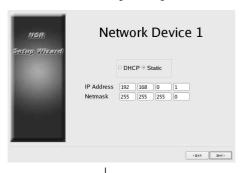
- Wenn Sie das Kontrollkästchen [Enable NTP Server] aktivieren, dient das Gerät für die Datums- und Uhrzeitsynchronisierung als NTP-Server.
- Wenn Sie das Kontrollkästchen [Synchronize with NTP Server] aktivieren, können Sie Datum und Uhrzeit mit einem anderen NTP-Server synchronisieren.
- Wenn Datum und Uhrzeit nicht mit dem Windows-Server als NTP-Server synchronisiert werden können, können Sie das Kontrollkästchen [Synchronize with Windows Server] aktivieren, um die Synchronisierung mit dem Windows-NTP-Server zu erzwingen.



Stellen Sie für jeden Server die IP-Adresse ein, und klicken Sie auf [Weiter].



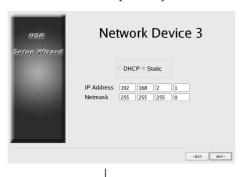
Stellen Sie die IP-Adresse für LAN-Anschluss 1 ein, und klicken Sie auf [Weiter].



Stellen Sie die IP-Adresse für LAN-Anschluss 2 ein, und klicken Sie auf [Weiter].



Stellen Sie die IP-Adresse für LAN-Anschluss 3 ein, und klicken Sie auf [Weiter].



Nehmen Sie die Einstellungen für Monitor 1 vor, und klicken Sie auf [Weiter].

- Wenn Sie die Option [Auto] auswählen, werden der Typ des angeschlossenen Monitors und seine Auflösung erkannt und automatisch konfiguriert. Einzelheiten zu den unterstützten Auflösungen siehe "Systemanforderungen" (Seite 155).
- Wenn Sie zwei Monitore an das Gerät anschließen, wählen Sie das Kontrollkästchen [Dual Head].



Hinweis

Beim Anschluss eines HDMI-Monitors wird das Bild möglicherweise auf die Bildschirmgröße komprimiert, und Text kann unscharf ausfallen, selbst wenn für den Monitor und die Bilddaten dieselbe Auflösung eingestellt wurde. Die Bildqualität lässt sich eventuell verbessern, indem Sie das Kontrollkästchen [Dot By Dot] aktivieren, so dass die einzelnen Bildpixel ohne Streckung oder Komprimierung jeweils als einzelne Punkte auf dem Monitor dargestellt werden. Eventuell müssen auch am Monitor Einstellungen vorgenommen werden. Lesen Sie hierzu im Benutzerhandbuch des Monitors nach.

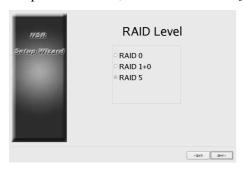
Wenn Sie einen zweiten Monitor anschließen, nehmen Sie die Einstellungen für Monitor 2 vor. Wenn Sie die Einstellungen für den zweiten Monitor vorgenommen haben, starten Sie das Gerät bei angeschlossenem zweiten Monitor neu.



Wählen Sie den zu verwendenden Audioanschluss aus, und klicken Sie auf [Weiter].



Wählen Sie den RAID-Typ für das interne Festplattenlaufwerk, und klicken Sie auf [Weiter].



Hinweis

Dieser Bildschirm wird nur bei Modellen angezeigt, die die Änderung des Raid-Levels unterstützen.

Achtung

Wenn Sie das Raid-Level ändern, wird das RAID nach der Beendigung des Assistenten neu strukturiert. Je nach dem gewählten Level und der Kapazität kann das Neustrukturieren des RAIDs mehrere Stunden in Anspruch nehmen.

Konfigurieren Sie die Partitionen für die interne Festplatte, und klicken Sie auf [Weiter]. Geben Sie die Anzahl der Partitionen an, und wählen Sie, welcher Prozentsatz der Gesamtkapazität den

einzelnen Partitionen zugeordnet werden soll.

Internal Disk Partition

Volume Number: 1
Capacity: 2763 GB
Raid Level: RAID 5

Number of Partitions 1
Partition [datal-1] 100% 2 2763 GB
Partition [datal-2] 00% 0 GB

Partition4 [data1-4]

1

Stellen Sie den Servernamen ein, und klicken Sie auf [Weiter].

0 GB

< Back Next >



Konfigurieren Sie die Anschlusseinstellungen für die analogen Kameras, und klicken Sie auf [Weiter].

Wählen Sie den Standard der seriellen Schnittstelle, an die die gewünschte Kamera angeschlossen ist, und nehmen Sie die Einstellungen für Baudrate, Paritätsbits usw. vor.

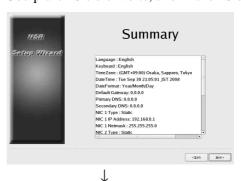
(Dieser Bildschirm wird nur angezeigt, wenn ein NSR-1050H oder NSBK-A16/A16H (optional) angeschlossen ist.)



Wählen Sie das Videoformat für die anzuschließenden analogen Kameras aus, und klicken Sie auf [Weiter]. (Dieser Bildschirm wird nur angezeigt, wenn ein NSR-1050H oder NSBK-A16/A16H (optional) angeschlossen ist.)



Überprüfen Sie die Werte, und klicken Sie auf [Weiter].



Wenn die Meldung zur Bestätigung des Neustarts angezeigt wird, klicken Sie auf [Fertigstellen].

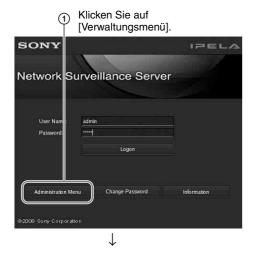


Das Gerät wird neu gestartet.

↓ Anmeldebildschirm wird angezeigt.

Der Anmeldebildschirm wird angezeigt. Fahren Sie mit dem folgenden Abschnitt "Anmelden" fort

Zugreifen auf das Einrichtungsmenü vom Anmeldebildschirm aus





Wenn Patchdateien vorhanden sind

Sie können von Sony bereit gestellte Patchdateien auf dem NSR installieren.

Mit steigender Zahl an NSR-kompatiblen Kameras und Funktionen werden von Sony stets neue Patchdateien herausgegeben. Es empfiehlt sich, diese Patchdateien zu installieren, damit das NSR immer mit der aktuellsten Software verwendet wird.

Informationen zum Installieren von Patchdateien erhalten Sie unter "Installieren von Patchdateien" (Seite 179).

Anmelden

Geben Sie den Benutzernamen und das Kennwort ein, und klicken Sie auf [Anmelden].

Standardbenutzername:admin Standardkennwort: admin



Nach der Anmeldung wird das Dialogfeld [Autom. Kameraregistrierung] angezeigt.

Fahren Sie mit dem folgenden Abschnitt "Konfigurieren der Grundeinstellungen" fort.

Konfigurieren der Grundeinstellungen

Dieser Abschnitt beschreibt, wie die Alarmaufzeichnung für automatisch erkannte Geräte registriert und konfiguriert wird. Eine Anleitung zum Registrieren sämtlicher automatisch erkannten Geräte in einem Arbeitsgang finden Sie im Installationshandbuch (separates Dokument).

Registrieren einer Kamera

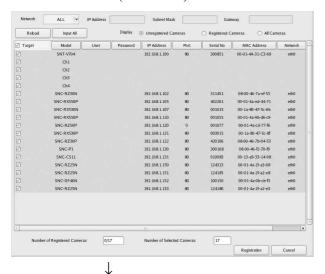
Wählen Sie die Option [Fenster für Kamera-Mehrfachregistrierung öffnen] aus, und klicken Sie auf [OK].



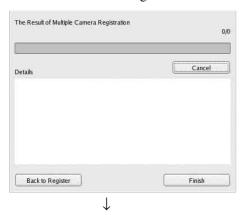
Geräte im selben Netzwerksegment werden automatisch erkannt.

Aktivieren Sie die Kontrollkästchen der zu registrierenden Kameras, und klicken Sie auf [Registrierung].

Ausführlichere Informationen zu den Einstellungen finden Sie im Abschnitt "Registrieren von Geräten" im Benutzerhandbuch (PDF-Datei).

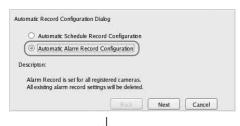


Die Kameras werden registriert.



Konfigurieren der Alarmaufzeichnung

Wählen Sie [Automatische Konfiguration von Alarmaufzeichnungen], und klicken Sie auf [Weiter].



Daraufhin wird die Bestätigungsmeldung angezeigt. Klicken Sie auf [Weiter].



Überprüfen Sie die Werte, und klicken Sie auf [Fertig stellen].



Die alarmgesteuerte Aufzeichnung wird gestartet. Wenn die Konfiguration abgeschlossen ist, wird der Bildschirm [Haupt] angezeigt.



Nach dem Konfigurieren der Grundeinstellungen gelten für die einzelnen Optionen die folgenden Werte:

Einstellung	Geplante Aufzeichnung	Alarmgesteuerte Aufzeichnung
Bildformat	Maximale von der Kamera unterstützte Bildgröße. ¹⁾	Abhängig von den auf der Registerkarte [Video] konfigurierten Einstellungen für alarm- und ereignisgesteuerte Aufzeichnung.
Codec	Abhängig von den auf der Registerkarte [Video] konfigurierten Einstellungen für Programmierte Aufzeichnung.	Abhängig von den auf der Registerkarte [Video] konfigurierten Einstellungen für alarm- und ereignisgesteuerte Aufzeichnung.
Bildfrequenz	Abhängig von der Aufbewahrungsfrist der gespeicherten Daten. ¹⁾	Abhängig von den auf der Registerkarte [Video] konfigurierten Einstellungen für alarm- und ereignisgesteuerte Aufzeichnung.
Qualität	50% ¹⁾ Stufe 3 (Kameras mit 5 Stufeneinstellung en) Stufe 5 (Kameras mit 10 Stufeneinstellung en)	Abhängig von den auf der Registerkarte [Video] konfigurierten Einstellungen für alarm- und ereignisgesteuerte Aufzeichnung.

Einstellung	Geplante Aufzeichnung	Alarmgesteuerte Aufzeichnung
Bitrate	Abhängig von der Aufbewahrungsfrist der gespeicherten Daten. ¹⁾	Abhängig von den auf der Registerkarte [Video] konfigurierten Einstellungen für alarm- und ereignisgesteuerte Aufzeichnung.
Auslöser für Aufzeichnung	-	VMD (Kamera) VMD (Recorder), wenn die Kamera nicht unterstützt wird. JPEG: Standardmodus MPEG4, H.264: High- Performance- Modus
Speicherort für Daten	Gegenüber der vorhandenen Konfiguration nicht geändert. ²⁾	Gegenüber der vorhandenen Konfiguration nicht geändert. ²⁾
Audio	Hängt von den in der Registerkarte [Audio] gewählten Einstellungen ab.	Hängt von den in der Registerkarte [Audio] gewählten Einstellungen ab.
Überschreiben von Daten	Gegenüber der vorhandenen Konfiguration nicht geändert.	Gegenüber der vorhandenen Konfiguration nicht geändert.
Bereinigung	Daten, deren Aufbewahrungsfrist überschritten ist, werden gelöscht.	Gegenüber der vorhandenen Konfiguration nicht geändert.

- Je nach Kameramodell, werden eventuell die in der Registerkarte [Video] konfigurierten Einstellungen für Programmierte Aufzeichnung benutzt.
- 2) Wenn der Benutzer keine Speicherort-Einstellungen für die Kamera konfiguriert hat, werden die weiteren Einstellungen auf der Grundlage der Kapazität der ersten Partition der internen Festplatte des Geräts berechnet. Wenn der Benutzer keine Speicherort-Einstellungen für die Kamera konfiguriert hat, werden die weiteren Einstellungen auf der Grundlage der Kapazität der ersten Partition der internen Festplatte des Geräts berechnet.

Achtung

- Wenn beim Ausführen der Funktion "automatische Aufzeichnung" bereits Einstellungen für die geplante Aufzeichnung und die Alarmaufzeichnung vorhanden sind, ersetzen die automatischen Konfigurationen die bisherigen Einstellungen.
- Beim Ändern der Speicherorte für die Kamera werden die Einstellungen nicht automatisch geändert. Sie können in dem Fall die Grundeinstellungen erneut vornehmen, um die Einstellung neu zu berechnen.

Einstellungen, die individuelle Konfiguration erfordern

In den folgenden Fällen ist eine weiter gehende Konfiguration erforderlich:

Speicherort-Einstellungen

In der Standardkonfiguration werden die Daten auf der ersten Partition der internen Festplatte des Geräts gespeichert.

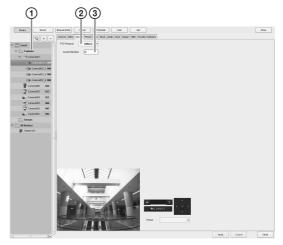
Informationen über das Speichern von Daten auf einer optionalen NSRE-S200-Einheit oder auf anderen Partitionen finden Sie im Benutzerhandbuch (PDF-Datei).

Zusammenstellen von Systemen, die mehrere NSR-Einheiten oder RealShot Manager Advanced Server enthalten

Wenn mehrere Server konfiguriert werden, ist eine individuelle Konfiguration erforderlich. Näheres finden Sie im Benutzerhandbuch (PDF-Datei).

Schwenken, Neigen und Zoom bei analogen Kameras verwenden

Konfigurieren Sie die Einstellungen für die Funktionen Schwenken, Neigen und Zoom bei analogen Kameras auf der Registerkarte [Steuerung] der Gerätekonfiguration entsprechend der folgenden Anleitung.



- ① Wählen Sie die analoge Kamera aus.
- Wählen Sie entsprechend den Einstellungen der analogen Kamera ein Protokoll aus.
- ③ Geben Sie an der ausgewählten analogen Kamera die konfigurierte Steuerungsnummer ein.

Hinweis

Um diese Einstellungen zu konfigurieren, müssen Sie zunächst in den "Serial Port"-Einstellungen des Setup-Assistenten den Übertragungsmodus konfigurieren.

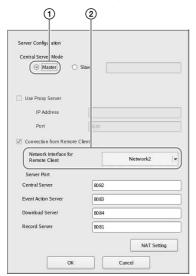
Audio-Einstellungen für Kameras

In der Standardkonfiguration ist Audio deaktiviert. Informationen zum Aktivieren von Audio finden Sie im Benutzerhandbuch (PDF-Datei).

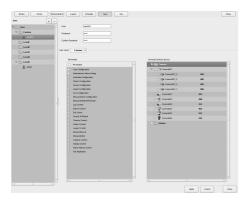
Konfigurationen für die Verwendung von RealShot Manager Advanced Controller

Konfigurieren Sie die folgenden Einstellungen auf der NSR-Einheit, die als Masterserver dienen soll. Weitere Informationen über die Einstellungen finden Sie im Benutzerhandbuch (PDF-Datei).

1 Konfigurieren Sie im Bildschirm Serverkonfiguration des Verwaltungsmenüs folgende Einstellungen.



- ① Wählen Sie unter [Zentralservermodus] die Option [Master].
- Wählen Sie in [Netzwerkschnittstelle für fernen Client Anschluss] unter [Verbindung von fernem Client] die Netzwerkschnittstelle für die Verbindung aus.
- 2 Erstellen Sie einen Benutzer auf dem Masterserver. Klicken Sie im Bildschirm [Nutzer Konfiguration] auf [+] (Hinzufügen), und erstellen Sie einen Benutzer.



Schritt 4: Überprüfen der Funktion

Wenn die grundlegenden Konfigurationen abgeschlossen sind, stellen Sie sicher, dass im Bildschirm "HAUPT" Kamerabilder angezeigt werden und die dazugehörigen Bedienfunktionen funktionieren.



- Ändern Sie das Layout und zeigen Sie Bilder der registrierten Kameras an.
 Ziehen Sie eine Kamera mit der Maus aus dem Kamerabereich auf ein Monitorfenster, um die Bilder dieser Kamera anzuzeigen.
- ② Klicken Sie auf ein Monitorfenster, um dieses zu aktivieren (hellblauer Rahmen), und steuern Sie auf der Registerkarte [Steuerung] des Kamerasteuerungsbereichs die Funktionen Schwenken, Neigung und Zoom.
- 3 Zeichnen Sie ein bewegtes Objekt mit der Kamera auf, und stellen Sie sicher, dass ein Alarm ausgelöst wird.
 - Wenn die Alarmaufzeichnung mit Hilfe der grundlegenden Konfiguration eingerichtet wurde, ist das Monitorfenster mit einem roten Rahmen gekennzeichnet, und im Alarmverlauf auf der Unterseite des Bildschirms wird für jeden Alarm ein Eintrag angezeigt.
- 4 Informationen über die einzelnen Funktionen finden Sie im Überwachungsfenster-Benutzerhandbuch (separates Dokument).
- (5) Klicken Sie zum Wiedergeben von Aufzeichnungen auf [PLAYBACK].
 Wenn Sie auf [PLAYBACK] klicken, werden die Bilder einer zuvor konfigurierten Uhrzeit wiedergegeben (Schnellwiedergabe).
 Wenn Sie ein Datum und eine Uhrzeit eingeben und auf [GO] klicken, werde die aufgezeichneten Bilder wiedergegeben.
- (6) Klicken Sie auf das Symbol [ERROR] unten rechts auf dem Bildschirm, um zu überprüfen, ob Fehler aufgetreten sind.

Wenn nach dem Klicken auf das Symbol [ERROR] das Systemprotokoll angezeigt wird, können Sie hier die gegebenenfalls aufgetretenen Probleme einsehen.

Informationen über die Bedienung des Bildschirms "HAUPT" finden Sie im Überwachungsfenster-Benutzerhandbuch (separates Dokument) oder im Benutzerhandbuch (PDF-Datei).

Achtung

Wenn Sie ein USB-Gerät an das Gerät anschließen, kann unter Umständen die [ERROR]-LED unten rechts auf dem Bildschirm "HAUPT" leuchten. Dies zeigt an, dass das Gerät das angeschlossene USB-Gerät unter Umständen nicht unterstützt. Ausführliche Informationen hierüber finden Sie im Abschnitt "Sicherheitsmaßnahmen" (Seite 152) oder "Ein an den USB-Anschluss angeschlossenes externes Gerät funktioniert nicht." (Seite 185) im Abschnitt "Fehlersuche".

Verwenden von RealShot Manager Advanced als Remote-Client

Gehen Sie folgendermaßen vor, um die Funktionstüchtigkeit zu überprüfen.

- **1** Melden Sie sich bei RealShot Manager Advanced an.
 - Geben Sie bei der Anmeldung den Server an.
 Geben Sie den auf dem Zentralserver für den Port konfigurierten Wert an. Der Standardwert ist 8082.
 - Geben Sie die im Bildschirm [Serverkonfiguration] konfigurierten (Seite 177) Werte für [Benutzername] und [Kennwort] ein.



- Weisen Sie im Hauptbildschirm von RealShot Manager Advanced Monitorfenstern Bilder von an das Gerät angeschlossenen Kameras zu. Zum Zuweisen von Kameras stehen zwei Methoden zur Verfügung.
 - Ziehen Sie eine an das Gerät angeschlossene Kamera mit der Maus aus dem Kamerabereich auf ein Monitorfenster.

- Klicken Sie auf ein Monitorfenster, um dieses auszuwählen, und doppelklicken Sie dann im Kamerabereich auf eine Kamera.
- **3** Überprüfen Sie, ob die Bilder der in Schritt 2 ausgewählten Kamera im Monitorfenster angezeigt werden.

Installieren von Patchdateien

1 Kopieren Sie die Patchdatei auf ein USB-Speichermedium oder eine CD bzw. DVD.

Achtung

Ändern Sie weder den Namen noch sonstige Eigenschaften der Datei.

2 Klicken Sie im Verwaltungsmenü auf [Patch-Installation].



Der Bildschirm "Patch-Installation" wird angezeigt.

3 Wählen Sie das Medium, auf dem die Patchdatei gespeichert ist.



Eine Liste von Patchdateinamen wird angezeigt.

- 4 Bestätigen Sie den Patchdateinamen, und klicken Sie auf [OK]. Eine Sicherheitsabfrage wird angezeigt.
- Bestätigen Sie den Inhalt der Meldung, und klicken Sie auf [Ja].

Achtung

Nach der Installation von bestimmten Patchdateien führt der NSR automatisch einen Neustart durch. Falls ein Neustart erforderlich ist, wird eine Sicherheitsabfrage eingeblendet. Wenn Sie den aktuellen Betrieb nicht unterbrechen können, wählen Sie [Nein], um die Installation abzubrechen. Führen Sie die Installation zu einem späteren Zeitpunkt durch, wenn der Neustart des NSR keine Probleme verursacht.

Bei der Installation der Patchdatei wird der nachfolgend dargestellte Bildschirm angezeigt.



Wenn die Installation abgeschlossen ist, wurde die Patchdatei verarbeitet.

Anschlussbeispiele

Beispiele für den Anschluss von Monitoren

Dieses Gerät unterstützt mehrere Kombinationen von Monitoranschlüssen. Beachten Sie die folgenden Anschlussbeispiele.

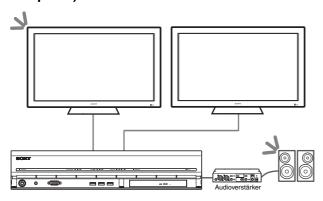
Hinweis

Sie können im Bildschirm [Audio] des Setup-Assistenten oder Einrichtungsmenüs festlegen, ob RCA- oder HDMI-Audiosignale ausgegeben werden sollen.

Achtung

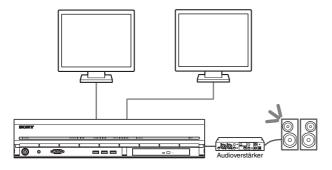
Ehe das Gerät eingeschaltet wird, müssen die Monitore angeschlossen und eingeschaltet sein.

Beispiel 1) Betrieb mit zwei HDMI-Monitoren



> : Positionen der Audioausgänge.

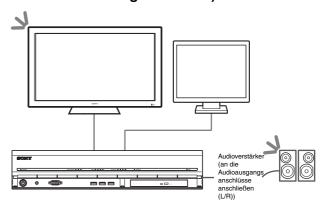
Beispiel 2) Betrieb mit zwei analogen RGB-Monitoren



Hinweise

 Schließen Sie die Monitore nicht an die HDMI-Monitoranschlüsse 1 oder 2 an. Schließen Sie keinen Monitor an den analogen RGB-Monitoranschluss 1 auf der Vorderseite des Geräts an, solange das Gerät eingeschaltet ist.

Beispiel 3) Betrieb mit einem HDMI-Monitor und einem analogen RGB-Monitor (HDMI-Monitor wird zur Bedienung verwendet)

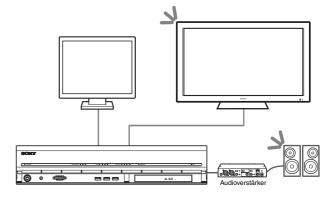


→ : Positionen der Audioausgänge.

Hinweis

Verwenden Sie den HDMI-Monitoranschluss 1 und den analogen RGB-Monitoranschluss 2.

Beispiel 4) Betrieb mit einem HDMI-Monitor und einem analogen RGB-Monitor (analoger RGB-Monitor wird zur Bedienung verwendet)



🔰 : Positionen der Audioausgänge.

Hinweis

Verwenden Sie den analogen RGB-Monitoranschluss 1 und den HDMI-Monitoranschluss 2.

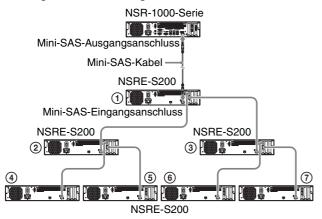
NSRE-S200-Anschlussbeispiel

Sie können bis zu sieben optionale NSRE-S200-Einheiten entsprechend folgendem Verzweigungsschema an das NSR-1200/1100/1050H anschließen.

Hinweis

Das für den Anschluss verwendete Mini-SAS-Kabel ist im Lieferumfang des NSRE-S200 enthalten. Verwenden Sie stets das mitgelieferte Kabel.

Es wird empfohlen, die NSRE-S200-Erweiterungen in der folgenden Reihenfolge anzuschließen.



Wenn Geräte an Position 1, 3 oder 6 angeschlossen werden, wird die folgende Liste angezeigt. Beachten Sie, dass die Laufwerksnummer in der Reihenfolge angezeigt wird, in welcher die Partitionen konfiguriert wurden.



Verschiedenes

STATUSANZEIGE

Wenn im Gerät ein Fehler auftritt, blinkt oder leuchtet je nach dem Fehlerstatus die Fehler-LED am vorderen Bedienfeld des Geräts, und die Status-LED leuchtet.

STATUS ■1 ■2 ■3 ■4 ■ ERROR

Die Statusanzeige signalisiert die nachfolgend aufgeführten Fehlersituationen.

Fehlercodes während des Hochfahrens (Die Fehleranzeige blinkt, wenn während des

Startvorgangs ein Fehler auftritt.)

Fehlercode	Statusanzeige	Fehleranzeige	Mögliche Ursache
1	1234	- Blinkt	Netzteil- Spannungsfehler
2	1234	= Blinkt	CPU-Lüfterfehler
3	1234	Blinkt	Defektes Speichermodul
4	1234	= Blinkt	CMOS- Pufferbatterie
5	1234	= Blinkt	Videospeicher (RAM)- oder Controllerfehler
6	1234	= Blinkt	Festplattencontrol ler-Fehler
7	1234	= Blinkt	Kein bootfähiges Gerät gefunden
8	1234	= Blinkt	Kein bootfähiges Betriebssystem gefunden
9	1234	= Blinkt	Mindestens ein Festplattenfehler
A	1234	= Blinkt	RAID-OS- Volume-Fehler
В	1234	= Blinkt	Fehler beim Start des X11-Servers
С	1234	= Blinkt	Fehler beim Start der Anwendung
D	1234	= Blinkt	Für zukünftige Zwecke reserviert
Е	1234	= Blinkt	Für zukünftige Zwecke reserviert
F	1 2 3 4	= Blinkt	RAID-Daten- Volume-Fehler

■ gibt an, dass die Status-LED oder Fehler-LED leuchtet.

Fehlercodes während des Betriebs

(Die Fehleranzeige leuchtet, wenn während des Betriebs ein Fehler auftritt.)

Fehlercode	In Fehler aut Statusanzeige	Fehleranzeige	Mögliche Ursache
- cincrede		- Included	-
1	1234	Leuchtet	Temperaturproblem im Gerät
2	1234	Leuchtet	CPU-Lüfterfehler
3	1234	Leuchtet	Netzteillüfterfehler
4	1234	Leuchtet	Netzteil- Spannungsfehler
5	1234	Leuchtet	Fehler an Festplatte 1
6	1234	Leuchtet	Fehler an Festplatte 2
7	1234	Leuchtet	Die Festplatte ist beschädigt.
8	1234	Leuchtet	Für zukünftige Zwecke reserviert
9	1234	Leuchtet	Für zukünftige Zwecke reserviert
A	1234	Leuchtet	Für zukünftige Zwecke reserviert
В	1234	Leuchtet	Betriebssystemfehler
С	1234	Leuchtet	Anwendung funktioniert nicht fehlerfrei
D	1234	Leuchtet	[FEHLER]-LED im Bildschirm "Haupt" leuchtet
Е	1234	Leuchtet	RAID-Daten- Volume-Fehler
F	1234	Leuchtet	RAID-Daten- Volume wird neu strukturiert

E/A-Anschluss

Stiftzuweisung des E/A-Anschlusses

Sensoreingang

Pin-Nr. SENSOREINGANG 1 3.3 v 2 IN_8 - 3 IN_8 + 4 IN_7 - 5 IN_7 + 6 IN_6 - 7 IN_6 + 8 IN_5 - 9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 + 18 GND		
2 IN_8 - 3 IN_8 + 4 IN_7 - 5 IN_7 + 6 IN_6 - 7 IN_6 + 8 IN_5 - 9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	Pin-Nr.	SENSOREINGANG
3 IN_8 + 4 IN_7 - 5 IN_7 + 6 IN_6 - 7 IN_6 + 8 IN_5 - 9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	1	3.3 v
4 IN_7 - 5 IN_7 + 6 IN_6 - 7 IN_6 + 8 IN_5 - 9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	2	IN_8 -
5 IN_7 + 6 IN_6 - 7 IN_6 + 8 IN_5 - 9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	3	IN_8 +
6 IN_6 - 7 IN_6 + 8 IN_5 - 9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	4	IN_7 -
7 IN_6 + 8 IN_5 - 9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	5	IN_7 +
8 IN_5 - 9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	6	IN_6 -
9 IN_5 + 10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	7	IN_6 +
10 IN_4 - 11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	8	IN_5 -
11 IN_4 + 12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	9	IN_5 +
12 IN_3 - 13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	10	IN_4 -
13 IN_3 + 14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	11	IN_4 +
14 IN_2 - 15 IN_2 + 16 IN_1 - 17 IN_1 +	12	IN_3 -
15 IN_2 + 16 IN_1 - 17 IN_1 +	13	IN_3 +
16 IN_1 - 17 IN_1 +	14	IN_2 -
17 IN_1 +	15	IN_2 +
	16	IN_1 -
18 GND	17	IN_1 +
	18	GND

Alarmausgang

Pin-Nr.	Alarmausgang
1	GND
2	OUT_8 -
3	OUT_8 +
4	OUT_7 -
5	OUT_7 +
6	OUT_6 -
7	OUT_6 +
8	OUT_5 -
9	OUT_5 +
10	OUT_4 -
11	OUT_4 +
12	OUT_3 -
13	OUT_3 +
14	OUT_2 -
15	OUT_2 +
16	OUT_1 -
17	OUT_1 +
18	3.3 v

RS-422/485

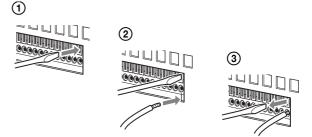
Pin-Nr.	RS-422	RS-485
19	TX-	TX-
20	TX+	TX+
21	RX-	
22	RX+	

Verwenden der E/A-Buchsen

Stecken Sie einen kleinen Schraubenzieher in den oberen oder unteren Schlitz neben der Öffnung, in die Sie ein Kabel stecken möchten (AWG Nr. 28 bis 18). Stecken Sie das Kabel ein, und lassen Sie dann den Schraubenzieher los.

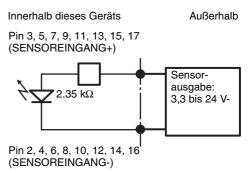
Vorsicht

Drücken Sie den Schraubenzieher nicht zu fest in den Schlitz, da sonst etwas beschädigt werden könnte.



Schließen Sie auf dieselbe Weise alle benötigten Kabel an.

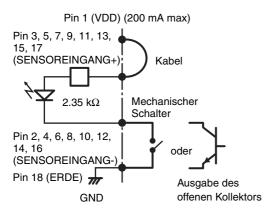
Schaltplan 1 für Sensoreingabe



Schaltplan 2 für Sensoreingabe

Innerhalb dieses Geräts

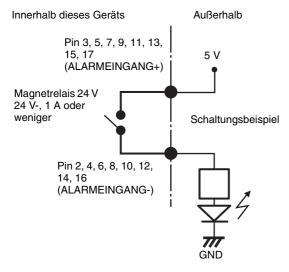
Außerhalb



Hinweise

Bei Verschaltung nach Stromlaufplan 2 ist der NSR elektrisch nicht isoliert. Gestalten Sie in diesem Fall die externen Stromkreise so, dass weder Störungen noch Überspannungen oder Überströme durch sie verursacht werden.

Schaltplan für Alarmausgabe



Fehlersuche

Überprüfen Sie die folgenden Punkte, ehe Sie sich an Ihren Händler oder ein Sony-Kundendienstcenter wenden. Wenn sich das Problem hierdurch nicht beheben lässt, wenden Sie sich an ein SONY-Servicecenter.

Das NSR funktioniert nicht.

- Überprüfen Sie, ob der Netzschalter auf ON steht.
- Überprüfen Sie, ob das Stromkabel ordnungsgemäß angeschlossen ist.
- Überprüfen Sie, ob die Steckdose Strom führt. Schließen Sie hierzu ein anderes Gerät an.

- Stellen Sie sicher, dass kein Zugriff auf die Festplattenlaufwerke erfolgt (die Festplatten-LEDs auf der Vorderseite des Recorders dürfen nicht blinken), und erzwingen Sie dann die Abschaltung, indem Sie den Netzschalter auf der Rückseite des Geräts ungefähr 10 Sekunden lang gedrückt halten. Starten Sie das NSR neu.
- Während des Starts prüft das NSR das Dateisystem. Die Dauer dieser Prüfung hängt von der Menge der Daten auf dem NSR ab (im Extremfall ca. zwei Stunden). Während der Prüfung des Dateisystems blinken die Festplatten-LEDs auf der Vorderseite des Recorders.
- Wenn das NSR nicht korrekt startet, wird möglicherweise der folgende Bildschirm angezeigt.



Gehen Sie in diesem Fall wie im Folgenden beschrieben vor.

- 1. Wählen Sie die Option "7. Shutdown the system", und drücken Sie die Taste "Enter".
- 2. Überprüfen Sie entsprechend der Anleitung unter "Auf die Festplatte kann nicht zugegriffen werden", ob die NSR-Festplatten ordnungsgemäß angeschlossen sind.
- 3. Starten Sie das NSR neu, und prüfen Sie, ob der Startvorgang korrekt verläuft.

Der Monitor bleibt leer.

- Überprüfen Sie, ob das NSR eingeschaltet ist.
- Prüfen Sie, ob das Netzkabel richtig angeschlossen ist.
- Prüfen Sie, ob das Monitorkabel richtig angeschlossen ist. Prüfen Sie, ob der Monitor mit dem Monitoranschluss 1 verbunden ist.
- Beim Konfigurieren einer Auflösung, die für die Auflösung des Monitors zu hoch ist, und die Auflösung zu niedrig für das Ausgangsbild ist, wird die Meldung "Out of range" angezeigt. Zum Herabsetzen der Auflösung des Ausgangsbildes drücken Sie STRG+ALT+Minus, ggf. auch mehrmals. Wenn die Auflösung des ausgegebenen Bildes die Auflösung des Monitors erreicht, wird das Bild angezeigt. Konfigurieren Sie dann die Monitorauflösung neu. Näheres finden Sie im Benutzerhandbuch (PDF-Datei).

Der an den HDMI-Anschluss angeschlossene Monitor funktioniert nicht ordnungsgemäß.

 Wenn Sie den Eingang für den HDMI-Monitor umschalten oder das Kabel neu anschließen, werden die Bilder unter Umständen nicht ordnungsgemäß angezeigt. Versuchen Sie in diesen Fällen die folgende Lösung:

- 1. Schalten Sie den Eingang auf den Monitor um.
- 2. Starten Sie den Monitor neu.

Hinweis

Wenn sich die Störung hierdurch nicht beheben lässt, trennen Sie das HDMI-Kabel vom Gerät und setzen Sie den Betrieb mit dem analogen RGB-Monitor fort. Starten Sie das Gerät in einem geeigneten Moment neu, und schließen Sie den HDMI-Monitor neu an.

Die neue externe Hardware funktioniert nicht richtig.

 Stellen Sie sicher, dass die Kabel für das neue externe Gerät fest angeschlossen sind und die Kontaktstifte nicht verbogen sind.

Ein an den USB-Anschluss angeschlossenes externes Gerät funktioniert nicht.

- Wenn Sie ein USB-Gerät an das Gerät anschließen, kann unter Umständen die [ERROR]-LED unten rechts auf dem Bildschirm "HAUPT" leuchten. Überprüfen Sie folgendermaßen, ob das Gerät das USB-Gerät unterstützt.
 - Klicken Sie auf die [ERROR]-LED.
 Das Systemprotokoll wird angezeigt.
 - Überprüfen Sie, ob die Fehlermeldung "Unsupported USB device" im Systemprotokoll angezeigt wird. Wenn die Meldung "Unsupported USB device" angezeigt wird, unterstützt das Gerät nicht das USB-Gerät.
- Dieses Gerät unterstützt standardmäßige USB 2.0-Massenspeichergeräte. Bei einigen Typen von USB 2.0-Massenspeichergeräten können allerdings Fehler beim Schreiben von Daten auf das Gerät auftreten. Verwenden Sie in diesem Fall ein USB-Speichergerät eines anderen Typs.
- Schließen Sie zur Gewährleistung des korrekten Betriebs USB-Geräte nicht über einen USB-Hub an. Schließen Sie die Geräte direkt an die USB-Anschlüsse an der Vorderseite und Rückseite des Geräts an. Wenn Geräte über einen USB-Hub, einen USB-Switch oder ein Verlängerungskabel angeschlossen werden, wird die Funktion nicht garantiert.
- Beachten Sie die mit dem USB-Gerät gelieferte Dokumentation.

Das System kann keine Daten von DVD/CD lesen.

- Stellen Sie sicher, dass Datenträger des korrekten Typs verwendet werden.
- Stellen Sie sicher, dass die DVD/CD ordnungsgemäß in das Laufwerk eingelegt ist.
- Überprüfen Sie, ob die DVD/CD sauber und nicht zerkratzt ist.

Die DVD/CD-Lade kann nicht ausgefahren werden.

- Stellen Sie sicher, dass das NSR eingeschaltet ist.
- Führen Sie langsam das Ende einer Büroklammer oder die Spitze eines Kugelschreibers in die Notauswurföffnung am DVD-/CD-Laufwerk ein. Ziehen Sie die DVD/CD-Lade heraus, und entnehmen Sie das Medium.

Die Netzwerk-Anzeige leuchtet nicht auf.

• Prüfen Sie die Netzwerkkabel und -geräte auf korrekte Funktion.

Auf die Festplatte kann nicht zugegriffen werden.

- Stellen Sie sicher, dass die Festplatte ordnungsgemäß eingelegt ist.
- Überprüfen Sie die Festplatten-LEDs am vorderen Bedienfeld des Systems. Identifizieren Sie anhand der Festplatten-Anzeige die fehlerhafte Festplatte. Eine defekte Festplatten-LED leuchtet gelb.
- Bei häufigen Zugriffen auf die Festplatte blinkt die Festplatten-LED sehr schnell. In hellen Umgebungen wird dies unter Umständen nicht bemerkt.

Auf den NSR kann vom Remote-Client nicht zugegriffen werden.

- Stellen Sie sicher, dass das NSR ordnungsgemäß funktioniert (bei Festplatte, Netzwerk, Software und anderen Punkten dürfen keine Unregelmäßigkeiten vorliegen).
- Stellen Sie sicher, dass am Zentralserver die korrekten Einstellungen für das Gerät vorgenommen wurden.
- Stellen Sie sicher, dass die Einstellungen zum Remote-Client und zur Netzwerkschnittstelle des Geräts korrekt sind.
- Stellen Sie sicher, dass in RealShot Manager Advanced der Benutzername, das Passwort und der Anschlussport (IP-Adresse oder Hostname sowie Portnummer) richtig eingestellt sind.
- Beachten Sie die Hinweise zur Fehlersuche im Benutzerhandbuch für RealShot Manager Advanced.

Das NSR wird schnell heiß

 Stellen Sie sicher, dass die Belüftungsöffnungen auf der Vorderseite, an den Seiten, und auf der Rückseite des Geräts nicht blockiert sind, und dass sich in diesen kein Staub angesammelt hat.

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MPEG-4 Video Patent Portfolio Lizenz

DIESES PRODUKT IST IM RAHMEN DER MPEG-4 VISUAL PATENT PORTFOLIO LIZENZ LIZENZIERT. FÜR PERSÖNLICHE UND NICHTKOMMERZIELLE ANWENDUNG DURCH EINEN VERBRAUCHER FÜR

- (i) CODIERUNG VON VIDEO IN ÜBEREINSTIMMUNG MIT DEM MPEG-4 VISUAL STANDARD ("MPEG-4 VIDEO") UND/ODER
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<signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice

That's all there is to it!

Technische Daten

NSR-1200/1100/1050H

Prozessor

CPU NSR-1200: Quad Core Xeon

NSR-1100: Dual Core Xeon NSR-1050H: Dual Core Xeon

Speicher

Onboard-Flashspeicher

4 GB

Interner Speicher

NSR-1200: 2 GB NSR-1100: 1 GB NSR-1050H: 1 GB

Speichergeräte

Internes Festplattenlaufwerk

DVD/CD-Laufwerk (Frontseite)

1 Laufwerk

Kompatible Medien: DVD+R,

DVD-R.

DVD-ROM, CD-R, CD-RW,

CD-ROM

Externe Anschlüsse

Frontseite Monitorausgang:

Analog RGB (Mini-D-SUB 15-

polig) (1) USB: USB 2.0 (3)

Rückseite Monitorausgang:

Analog RGB (Mini-D-SUB 15-

polig) (2) HDMI (2)

Audioausgang (L) (1)

Audioausgang (R) (1)

Audioeingang (1)

LAN (1000Base-T/100Base-TX/

10Base-T) (RJ-45) (4)

USB: USB 2.0 (3)

Mini-SAS-Ausgang (Für den

Anschluss eines optionalen NSRE-S200, Mini-SAS- X4

(SFF-8088), 3.0 GBit/s) (1)

Sensoreingang (kompatibel mit 3,3-

V- bis 24-V-

Gleichspannungsschnittstellen,

durch Optokoppler, isoliert von

der Haupteinheit) (8) Alarmausgang (max. 24 V

Gleichspannung / 1 A, durch elektromechanisches Relais,

isoliert von der Haupteinheit, (8)

Serielle Schnittstelle für USV: RS-

232C(1)

Steuerung der analogen Kameras (nur mit NSR-1050H oder

NSBK-A16/A16H-

Erweiterung): RS-232C (1)

RS-422/485 (1)

Umgebungsbedingungen

Betriebstemperatur

5 °C bis 40 °C (41 °F bis 104 °F)

Betriebsluftfeuchtigkeit

20 % bis 80 % (maximale Feuchtlufttemperatur: 30 °C, nicht kondensierend)

Temperatur bei Lagerung

 $-20 \text{ bis } +60 \,^{\circ}\text{C} \, (-4 \,^{\circ}\text{F bis } +140 \,^{\circ}\text{F})$

Luftfeuchtigkeit bei Lagerung

20 % bis 90 % relative Luftfeuchtigkeit (maximale Feuchtlufttemperatur 40 °C/104 °F, nicht kondensierend)

Stromversorgungsdaten und Verschiedenes

Stromversorgung 100 bis 127 V /200 bis 240 V (50/60

Hz)

Leistungsaufnahme Max. 350 W

Abmessungen $430 \times 87 \times 417 \text{ mm} (16.9 \times 3.4 \times 4.47 \text{ mm})$

16,4 Zoll)

(BxHxT, ohne herausragende

Teile)

Masse NSR-1200: ca. 13,5 kg (29,8 lb.)

NSR-1100: ca. 12 kg (26,7 lb.) NSR-1050H: ca. 11,5 kg (25,4 lb.)

Optionales Zubehör

NSR-RM1 Rack-Montagesatz RM-NS1000 Systemcontroller NSBK-A16/A16H Analoger Encoder-Satz NSRE-S200 Erweiterungsspeichergerät

Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

Hinweise

- Führen Sie immer eine Probeaufnahme aus, und bestätigen Sie, dass die Aufnahme erfolgreich war. SONY KANN KEINE HAFTUNG FÜR SCHÄDEN JEDER ART, EINSCHLIESSLICH ABER NICHT BEGRENZT AUF KOMPENSATION ODER ERSTATTUNG, AUFGRUND VON FEHLFUNKTION DIESES GERÄTS ODER SEINER DATENTRÄGER, EXTERNEN SPEICHERSYSTEMEN ODER JEGLICHEN ANDEREN DATENGRÄGERN ODER SPEICHERSYSTEMEN ZUR AUFNAHME VON INHALTEN JEDER ART ÜBERNEHMEN.
- Bestätigen Sie vor dem Gebrauch immer, dass das Gerät richtig arbeitet. SONY KANN KEINE HAFTUNG FÜR SCHÄDEN JEDER ART, EINSCHLIESSLICH ABER NICHT BEGRENZT AUF KOMPENSATION ODER ERSTATTUNG, AUFGRUND VON VERLUST VON AKTUELLEN ODER ERWARTETEN PROFITEN DURCH FEHLFUNKTION DIESES GERÄTS ODER AUS JEGLICHEM ANDEREN GRUND, ENTWEDER WÄHREND DER GARANTIEFRIST ODER NACH ABLAUF DER GARANTIEFRIST, ÜBERNEHMEN.

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- Altri nomi di prodotti o di sistemi presenti in questo documento sono marchi -o marchi registrati dei rispettivi detentori.

Inoltre nel presente documento non si utilizzano i simboli ® o ™.

Prima di utilizzare il registratore leggere il presente manuale.

- La riproduzione o la copia, totale o parziale, del manuale di operativo o del software forniti con il registratore, nonché il noleggio o il leasing del software senza l'autorizzazione del titolare dei diritti, sono vietati dalla legge sul diritto d'autore.
- Sony non assume alcuna responsabilità per danni, mancato profitto o reclami da terze parti derivanti dall'utilizzo del registratore o del soft-ware in dotazione
- Per i termini e le condizioni complete della garanzia per il registratore, fare riferimento alla scheda di garanzia inclusa nella confezione.
- Il software in dotazione al registratore non deve essere utilizzato con altri registratori.
- Sull'apparecchiatura è possibile installare esclusivamente il software fornito da Sony specificamente per questa apparecchiatura.
- Si noti che le specifiche del registratore e il software in dotazione sono soggetti a modifiche migliorative senza notifica.
- Il registratore utilizza l'algoritmo ad alta sicurezza MD5 per il salvataggio delle password.

Esclusione di responsabilità per il contenuto regi-

Sony Corporation non accetta alcuna responsabilità per problemi derivanti da errori di registrazione o da danni o da cancellazione del con-tenuto registrato su questa apparecchiatura, per qualsiasi motivo. Sono inclusi i reclami per risar-cimento del contenuto registrato e per qualsiasi danno concomitante e consequenziale. Sony Corporation non riparerà, ripristinerà, né copierà il contenuto registrato. L'uso di questo prodotto è soggetto alle suddette condizioni.

Prima di leggere il presente manuale

Leggere il supplemento "Normative di sicurezza".

Precauzioni per l'uso

Informazioni importanti sulla sicurezza

- Accertarsi di collegare l'unità a una fonte di alimentazione che è pienamente conforme alle specifiche elettriche di questa unità.
- Utilizzare solo il cavo di alimentazione in dotazione. Non avvolgere il cavo di alimentazione né arrotolarlo insieme ad altri cavi. Non eseguire collegamenti in parallelo ("piggy-back"). Se i valori di potenza nominale vengono superati, potrebbero verificarsi incendi o altri incidenti.
- Assicurarsi che tutte le prese di rete CA e i tutti i cavi di alimentazione dispongano di messa a terra appropriata.
- Non utilizzare l'apparecchio con il coperchio o il rivestimento aperti o rimossi. Diversamente, potrebbero verificarsi incendi e scosse elettriche. Non tentare di aprire o rimuovere personalmente il coperchio o il rivestimento. Se è necessario aprire questi ultimi, rivolgersi sempre al proprio fornitore.

Informazioni importanti sull'installazione

Posizioni di utilizzo/conservazione

Per prolungare la durata del prodotto, evitare di utilizzarlo o conservarlo nei luoghi indicati di seguito.

- Luoghi soggetti a temperature estremamente alte o basse. (Io seguo le specificazioni di questa apparecchiatura da tutti i mezzi, e per favore l'uso.)
- Luoghi esposti a luce solare diretta per periodi prolungati e luoghi in prossimità di impianti di riscaldamento. La temperatura all'interno di un'auto chiusa in estate può superare i + 50 °C/122 °F.
- Luoghi con elevati livelli di umidità o polvere
- Luoghi soggetti a forti vibrazioni
- Luoghi soggetti a forti campi magnetici
- Luoghi in prossimità di trasmettitori radio o TV, che generano forti campi magnetici

Non ostruire le aperture di ventilazione

- Le aperture di ventilazione sui lati dell'apparecchio servono ad evitare eventuali surriscaldamenti interni. Lasciare sempre uno spazio vuoto di almeno 10 cm su entrambi i lati, dietro e sopra l'apparecchio.
- Non utilizzare l'apparecchio in spazi chiusi o ristretti.
- Assicurarsi che non vi siano cavi o altri oggetti in prossimità dell'apertura della ventola nella parte posteriore dell'apparecchio. Se l'apertura è bloccata, è possibile che si verifichi un surriscaldamento interno, con conseguente rischio di incendi e danni.
- Anche se l'apparecchio è installato su rack, è
 necessario assicurarsi che l'apertura della ventola
 nella parte posteriore dell'apparecchio e le aperture di
 ventilazione nella parte anteriore non siano ostruite da

cavi o altri oggetti. Non installare l'apparecchio in ambienti non conformi ai requisiti di cui sopra.

Utilizzare l'apparecchio in posizione orizzontale

- L'apparecchio è stato progettato per essere utilizzato esclusivamente in posizione orizzontale.
- Non installare l'apparecchio su una superficie inclinata e proteggerlo da eventuali urti.
- Se cade o viene sottoposto a forti urti, l'apparecchio potrebbe risultare gravemente danneggiato.
- Se l'apparecchio viene installato su rack, assicurarsi di mantenere comunque la posizione orizzontale. Se l'apparecchio si trova in posizione inclinata, potrebbero verificarsi problemi di funzionamento. Si consiglia inoltre di fissare saldamente il rack a una parete o simili, onde evitare che si capovolga.

Manutenzione

- Prima di pulire l'apparecchio o di eseguire interventi di manutenzione di qualsiasi tipo, assicurarsi di scollegare il cavo di alimentazione dalla presa di rete CA.
- Pulire delicatamente il rivestimento e i pannelli con un panno asciutto. Per eliminare le macchie persistenti, inumidire leggermente il panno con una soluzione detergente neutra, quindi asciugare con un panno asciutto.
- Per la pulizia, non utilizzare alcol, solventi, benzina, insetticidi o altre sostanze volatili, onde evitare di danneggiare la finitura e provocarne lo scolorimento.
- Nelle aperture di ventilazione presenti sulla parte anteriore dell'apparecchio può verificarsi un accumulo di polvere. Durante la rimozione della polvere, assicurarsi di non sottoporre l'apparecchio a urti o vibrazioni.

Trasporto

Per proteggere l'apparecchio da eventuali urti, utilizzare il materiale di imballaggio originale o uno simile.

Precauzioni per i prodotti con HDD integrato

Il presente apparecchio dispone di un'unità disco fisso (HDD) integrata. Quest'ultima è costituita da un dispositivo di precisione. In caso di urti, vibrazioni, elettricità statica, temperatura o umidità elevata, è possibile che si verifichino perdite di dati. Per l'installazione e l'uso dell'apparecchio, osservare attentamente le seguenti precauzioni.

Proteggere l'apparecchio da urti e vibrazioni

Se viene sottoposto a urti o vibrazioni, l'HDD può risultare danneggiato e potrebbero verificarsi perdite di dati dall'HDD stesso.

 Per trasportare l'apparecchio, utilizzare il materiale di imballaggio specificato. In caso di trasporto su carrelli

- o simili, utilizzare un mezzo che non trasmetta vibrazioni eccessive. Diversamente, l'HDD potrebbe risultare danneggiato.
- Non spostare l'apparecchio mentre è acceso. Anche prima di installarlo su rack o rimuoverlo, è necessario assicurarsi che sia spento.
- Proteggere tutti i dispositivi dotati di HDD presenti nel rack da eventuali urti.
- Prima di installare l'apparecchio su rack o di rimuoverlo, assicurarsi che anche eventuali dispositivi dotati di HDD presenti nel rack siano spenti.
- Non rimuovere i pannelli o le parti esterne dell'apparecchio.
- Per collocare l'apparecchio sul pavimento o su un'altra superficie, assicurarsi che disponga dei piedini specificati, quindi depositare l'apparecchio su tale superficie con estrema cautela. Se i piedini non sono presenti, applicarli innanzitutto all'apparecchio. Non collocare l'apparecchio in prossimità di altri dispositivi che potrebbero risultare fonte di vibrazioni.

Dopo lo spegnimento, attendere 30 secondi.

Per un breve periodo di tempo successivo allo spegnimento, i dischi presenti all'interno dell'HDD continuano a ruotare e le testine si trovano in posizione instabile. Durante tale periodo, l'apparecchio è più sensibile a urti e vibrazioni rispetto ai periodi di normale funzionamento. Per almeno 30 secondi dopo lo spegnimento, evitare di sottoporre l'apparecchio a qualsiasi tipo di urto. Dopo tale periodo, i dischi dell'HDD si saranno arrestati completamente e sarà quindi possibile utilizzare l'apparecchio.

Precauzioni relative a temperatura e umidità

Utilizzare e conservare l'apparecchio solo in luoghi in cui i valori limite di temperatura e umidità non vengono superati. (Io seguo le specificazioni di questa apparecchiatura da tutti i mezzi, e per favore l'uso.)

In caso di problemi all'HDD

Anche se sembrano verificarsi problemi di funzionamento dell'HDD, assicurarsi di osservare tutte le precauzioni di cui sopra. In tal modo, è possibile evitare che si verifichino ulteriori danni finché non è possibile diagnosticare e risolvere il problema.

Sostituzione del disco rigido e di altre parti di consumo

Il disco rigido, la ventola e la batteria dell'unità sono parti di consumo che richiedono la sostituzione periodica. Se l'apparecchio viene utilizzato a temperatura ambiente, il ciclo normale di sostituzione è di circa tre anni. Tuttavia, ciò ha un valore puramente indicativo e non implica alcuna garanzia sulla durata di vita prevista di questi componenti. Per ulteriori informazioni sulla sostituzione dei componenti, rivolgersi al proprio rivenditore.

Precauzioni per l'utilizzo dei dispositivi USB

- Questa unità supporta le periferiche di archiviazione di massa USB 2.0 standard. A seconda del tipo di dispositivo di memorizzazione di massa USB 2.0, tuttavia possono verificarsi errori durante la scrittura dei dati sulla periferica. Se si verificano errori durante la scrittura dei dati, utilizzare un dispositivo di memorizzazione USB di tipo diverso.
- Per garantire un funzionamento corretto dei dispositivi USB, non collegare le periferiche mediante un hub USB. Collegare i dispositivi direttamente ai connettori USB sull'apparecchio. Il corretto funzionamento non può essere garantito se la connessione dei dispositivi è realizzata tramite un hub USB, uno switch hub oppure un cavo di prolunga.

Descrizione generale

La Serie NSR consiste di server di rete per sistemi di sorveglianza con telecamere di rete. La serie NSR consente il monitoraggio e la registrazione di immagini in formato JPEG, MPEG-4,e H.264 provenienti da telecamere di rete tramite la rete. Grazie inoltre alla capacità di ricercare e visualizzare immagini registrate, la serie NRS rappresenta un sistema di monitoraggio di grande versatilità.

Compatibilità con telecamere per telesorveglianza

È possibile fare una panoramica, inclinare ed eseguire operazioni di zoom da telecamere compatibili.

Compatibilità con telecamere analogiche

È possibile eseguire il monitoraggio e registrare immagini da telecamere analogiche collegandole direttamente all'unità 1).

1) L'NSR-1200/1100 richiede un'espansione NSBK-A16/A16H (opzionale), mentre l'NSR-1050H ha una espansione NSBK-A16 incorporata.

Dischi rigidi ad alta capacità per registrazioni di lunga durata

Dotata di dischi rigidi ad alta capacità, l'unità è in grado di registrare immagini di elevata qualità per periodi prolungati. Per gli esempi di riferimento, consultare "Dati di riferimento per l'installazione" (pagina 208).

Modello sottile (2U) di ingombro limitato per montaggio su rack da 19 pollici

Con il kit di montaggio su rack opzionale (venduto a parte), il registratore può essere installato in un rack EIA standard da 19.

Registrazione di 480 fps ad alta risoluzione (VGA, JPEG)

L'unità NSR-1200 è in grado di supportare fino a 64 telecamere, la NSR-1100 supporta fino a 32 telecamere e la NSR-1050H supporta fino a 20 telecamere. L'unità NSR-1200 registra immagini a una frequenza di quadro totale di 480 fps⁽¹⁾ (240 fps con l'unità NSR-1100, 120 fps con l'unità NSR-1050H), risoluzione VGA (640 × 480 pixel)²⁾ e formato dell'immagine JPEG (1 fotogramma circa 31 KB), per la nitidezza dell'immagine.

- Frequenza di quadro massima quando 16 telecamere sono collegate al registratore. Ogni telecamera ha una frequenza di quadro di circa 30 fps. Questa frequenza di quadro può ridursi a causa della frammentazione dei dischi rigidi interni. I valori sono basati su misure effettuate da Sony. Tali valori non sono garantiti, perché le prestazioni possono variare a seconda delle condizioni di funzionamento dell'utente.
- 2) Nella risoluzione QuadVGA (1.280 × 960), la frequenza di frame è pari a 1/4 rispetto a quella della risoluzione VGA.

Alta affidabilità

L'unità NSR-1200 supporta RAID 5¹⁾ e garantisce alta affidabilità. Il sistema può continuare a funzionare anche se si verifica un malfunzionamento di uno dei dischi rigidi. L'unità NSR è inoltre compatibile con i gruppi di continuità (UPS), il che la rende estremamente affidabile.

1) RAID 5 è un sistema per la suddivisione e la conservazione di dati e parità (codici di correzione errori) su più di un disco rigido. Sebbene questo sistema consenta il funzionamento continuato in caso di malfunzionamento dei dischi rigidi, questo non garantisce il ripristino dei dati persi. Inoltre, considerato l'elevato carico di elaborazione interna durante la ricostruzione dopo la sostituzione del disco rigido malfunzionante, l'unità potrebbe non essere in grado di registrare le immagini alla velocità di registrazione impostata mentre è in corso la ricostruzione.

Altre funzioni

- Le funzioni di personalizzazione del layout consentono di visualizzare le immagini in varie configurazioni, oltre ai normali layout 2 × 2 e 3 × 3.
- L'unità NSR consente, tra l'altro, la registrazione manuale, pianificata e dell'allarme.
- L'unità NRS è dotata di una funzione di rilevazione del movimento tramite il registratore¹⁾ (Video Motion Detection (Registratore)).
- Consente di eseguire rapidamente ricerche in base al nome della telecamera, alla data, all'allarme e altri metodi ancora ecc.
- Consente di creare zone riservate grazie alle funzioni di mascheramento dinamico²⁾ dell'unità NSR. Il mascheramento dinamico include la panoramica, l'inclinazione e lo zoom.
- L'elaborazione precisa degli allarmi è resa possibile da diversi tipi di filtro³⁾, che utilizzano i risultati dell'elaborazione delle immagini inviati dalla telecamera sotto forma di metadati con informazioni sugli oggetti. Poiché i filtri possono essere applicati ai metadati già registrati, è anche possibile cercare aree di interesse una volta terminata la registrazione.
- Sono anche supportate la registrazione e riproduzione audio⁴⁾ da telecamere compatibili.
- Alcune funzioni sono soggette a limitazioni che dipendono dal numero di telecamere collegato.
- Alcune funzioni sono soggette a limitazioni che dipendono dal modello di telecamera collegato.
- 3) Per eseguire la rilevazione movimento e la rilevazione oggetto mediante metadati, è necessaria una telecamera che supporti la rilevazione del movimento tramite metadati. Si sconsiglia di utilizzare i metadati con più di 32 telecamere.
- 4) Sono necessari amplificatori audio o altoparlanti opzionali.

importante

Il presente manuale spiega soltanto come installare e configurare l'unità NSR. Per dettagli su come utilizzare l'unità, consultare la Guida per l'utente (PDF).

Requisiti di sistema

L'utilizzo di questo registratore richiede il seguente hardware

- Telecamere di rete Sony Contattare il proprio rivenditore per informazioni sulle telecamere di rete Sony compatibili.
- Monitor¹⁾
- Tastiera USB²⁾
- Mouse USB³⁾
- Telecomando USB⁴⁾
- Interruttore di rete
- Cavo 1000 Base-T/100 Base-TX/10 Base-T
- Dispositivo di memorizzazione USB⁵⁾
- Questa unità supporta dispositivi compatibili HDMI e i monitor per computer con ingresso RGB. È possibile specificare le seguenti risoluzioni.
 - Full High-Definition (1.920×1.080)
 - WUXGA (1920 \times 1200)
 - Full Wide XGA (1.360×768)
 - UXGA (1.600 × 1.200)
 - SXGA $(1,280 \times 1,024)$
 - XGA (1024×768)
- Utilizzare una tastiera USB con cavo. Le tastiere non standard potrebbero non funzionare. Anche tastiere USB wireless o a infrarossi potrebbero funzionare in modo errato.
- 3) Utilizzare un mouse USB con cavo. Mouse a tre pulsanti o con rotella potrebbero funzionare in modo non corretto. Anche mouse USB wireless o a infrarossi potrebbero funzionare in modo errato.
- 4) È possibile utilizzare un telecomando per gestire le operazioni Pan, Tilt e Zoom delle telecamere.
 - Questa unità supporta controllore di sistema RM-NS1000 e controller USB IP Desktop prodotti da CH Products. Altri tipi di telecomando non sono supportati. Non collegare più di un telecomando.
- 5) Necessario quando si esegue il backup di informazioni di sistema quali i registri.
 - Questa unità supporta le periferiche di archiviazione di massa USB 2.0 standard. A seconda del tipo di dispositivo di memorizzazione di massa USB 2.0, tuttavia possono verificarsi errori durante la scrittura dei dati sulla periferica. Se si verificano errori durante la scrittura dei dati, utilizzare un dispositivo di memorizzazione USB di tipo diverso.

Contenuto della confezione

Verificare che i seguenti articoli siano inclusi nella presente confezione:

NSR-1200/1100

- NSR-1200/1100 (1)
- Chiave del pannello anteriore (2)
- Manuale di installazione (questo documento) (1)
- Guida introduttiva (1)
- Guida alle funzioni della finestra Monitoraggio (1)
- Normative di sicurezza (1)
- Opuscolo di WEEE (1)
- Opuscolo di garanzia (1)
- Piedini in gomma (4)

NSR-1050H

- NSR-1050H (1)
- Chiave del pannello anteriore (2)
- Cavo di ingresso della telecamera analogica (1)
- Manuale di installazione (questo documento) (1)
- Guida introduttiva (1)
- Guida alle funzioni della finestra Monitoraggio (1)
- Normative di sicurezza (1)
- Opuscolo di WEEE (1)
- Opuscolo di garanzia (1)
- Piedini in gomma (4)

Note

- Questa confezione potrebbe includere hardware aggiuntivo e/o la relativa documentazione.
- Conservare le scatole e il materiale di confezionamento per utilizzarli in futuro.
- Il kit di montaggio su rack (NSR-RM1) e controllore di sistema (RM-NS1000) sono opzionali (venduti separatamente).

Download dei file memorizzati sull'NSR

I documenti, ad esempio i manuali di istruzioni, e gli strumenti sono memorizzati sull'unità NSR. Procedere come descritto di seguito per effettuare il download dei file memorizzati sull'unità NSR.

- 1 Utilizzare un client FTP quale Internet Explorer per specificare l'URL seguente sul computer in uso. ftp://ftptool@<Indirizzo IP NSR>
- 2 Immettere il nome utente e la password seguenti. Nome utente:ftptool Password: ftptool

Nota

Per cambiare il nome utente e la password, modificare la configurazione [Enable user to Get Tools from Remote] alla voce "FTP" del Menu Setup. Inoltre, se si modifica il nome utente, è necessario modificare anche l'indirizzo che segue "ftp://" nell'URL specificando il nuovo "nome utente@<indirizzo IP NSR>."

Nel client FTP vengono visualizzate le cartelle e i file seguenti.

3 Selezionare le cartelle che contengono i file desiderati.

Cartella

Manuale: Contiene i manuali di istruzioni

(in formato PDF).

Codice sorgente: Contiene il codice sorgente GPL/

LGPL e altri dati del genere.

Strumento: Contiene RealShot Manager

Advanced e Media File Player.

File

README.txt: Contiene informazioni su

ciascuna cartella.

Vengono visualizzati i file contenuti in ciascuna cartella.

4 Fare clic sui file che si desidera scaricare.

Utilizzo del manuale PDF

Sull'unità NSR sono memorizzati i manuali operativi e altri documenti (versioni localizzate in giapponese, inglese, francese, tedesco, italiano, spagnolo cinese semplificato e russo).

Le copie di questi manuali vengono create in pdf (Portable Document Format).

Preparazione

Per poter utilizzare i manuali d'uso memorizzati sull'unità NSR è necessario installare il seguente software sul proprio computer.

• Adobe Reader versione 6.0 o superiore

Nota

Se Adobe Reader non fosse installato, è possibile scaricarlo dal seguente URL: http://www.adobe.com/

Adobe e Adobe Reader sono marchi di fabbrica registrati di Adobe Systems Incorporated negli Stati Uniti e/o altri paesi.

Visualizzazione dei manuali in formato PDF

- 1 Fare riferimento a "Download dei file memorizzati sull'NSR" e scaricare sull'unità NSR il manuale localizzato nella lingua conosciuta dalla cartella "Manuale".
- **2** Fare doppio clic sul file scaricato.

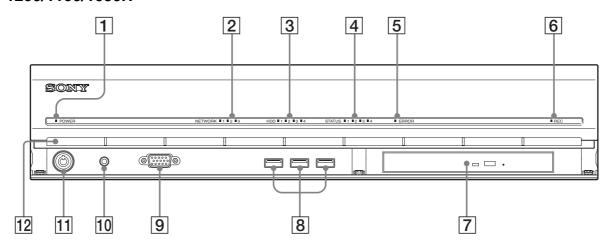
Nota

A seconda della versione di Adobe Reader utilizzata, è possibile che il file non venga visualizzato correttamente. Se il file non viene visualizzato correttamente, effettuare il download della versione più recente di Adobe Reader dall'indirizzo URL riportato nella sezione "Preparazione".

Funzioni e caratteristiche

Lato anteriore (Quando la una coperta è aperta)

NSR-1200/1100/1050H



1 LED di alimentazione

Al termine del riavvio emette una luce verde. Emette una luce gialla quando è in standby.

2 LED di rete (da 1 a 3)

È verde in presenza di attività sul connettore LAN corrispondente sul retro dell'unità NSR.

3 LED disco rigido

È verde e lampeggia per indicare l'accesso ai dischi rigidi interni.

Emette una luce gialla quando si verifica un errore nel disco rigido.

4 LED di stato (da 1 a 4)

Si illumina in sequenza (1, 2, 3, 4) all'avvio dell'unità NSR. Quando si verifica un errore, si accende il LED di stato corrispondente assieme al LED di errore, che emette una luce continua o lampeggia per indicare il tipo di errore.

Per ulteriori informazioni, fare riferimento a "LED di stato" (pagina 229).

5 LED di errore

Si illumina con luce fissa o intermittente in caso di errore.

6 LED REC

Si illumina durante la registrazione di immagini.

7 Unità DVD/CD

Consente la scrittura dei dati dai dischi rigidi dell'unità NSR su dischi DVD e CD.

8 Connettore USB

Questo connettore consente di collegare all'unità NSR una tastiera USB, un mouse, memoria flash USB o un controllore di sistema (RM-NS1000).

9 Connettore monitor 1

Utilizzare questo connettore per un monitor. Il connettore monitor 1 (e il connettore monitor 1 sulla parte posteriore dell'unità) e il connettore monitor HDMI 1 sulla parte posteriore dell'unità non possono essere utilizzati contemporaneamente.

10 Interruttore di alimentazione

Premere per accendere l'apparecchio. (Con questo interruttore non è possibile spegnere l'unità).

11 Blocco

Il dispositivo di blocco consente, tramite la chiave del pannello frontale fornita, di bloccare la lunetta frontale. Quando tale lunetta è bloccata, non è possibile estrarla. Non bloccare la lunetta frontale quando è stato estratta. Per determinare se il dispositivo si trova in posizione bloccata o meno, osservarne la posizione, come illustrato in figura.

La lunetta frontale è bloccata



La lunetta frontale è sbloccata



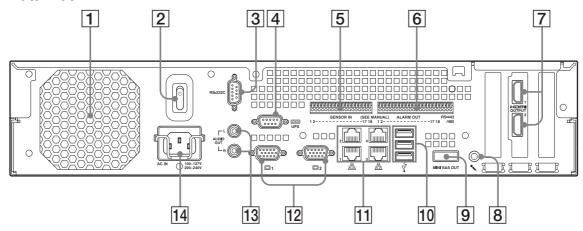
12 Fori di ventilazione

Queste aperture consentono il flusso dell'aria dalla parte anteriore alla parte posteriore dell'unità NSR.

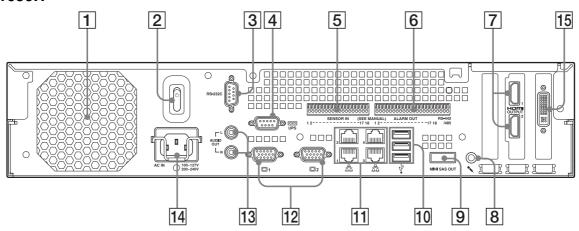
Non ostruire i fori di ventilazione né consentire alla polvere di accumularsi nei fori di ventilazione o di ostruire il flusso d'aria in qualsiasi modo. L'ostruzione del flusso d'aria consente l'accumulo di calore all'interno dell'NSR e può provocare incendi o danni.

Lato posteriore

NSR-1200/1100



NSR-1050H



1 Ventilatore

Assicurarsi di non ostruire la griglia del ventilatore. In caso di ostruzione della griglia del ventilatore, il conseguente surriscaldamento dell'unità può causare danni o incendi.

2 Interruttore di alimentazione

Premere l'interruttore nella posizione (¹) per accendere l'unità.

3 Connettore RS-232C

Utilizzare questo connettore per la gestione delle telecamere analogiche.

Questo connettore non può essere utilizzato contemporaneamente al connettore RS-422/485 (quattro piedini all'estrema destra sul connettore di uscita allarme 6).

4 Connettore UPS (RS-232C)

Utilizzare questo connettore per la linea di comando del gruppo di continuità (UPS).

Questo connettore consente l'ingresso di un segnale audio

5 Connettore ingresso sensore

Utilizzare questo connettore per collegare le linee di ingresso del sensore.

Per i dettagli di collegamento e gli schemi di connessione degli ingressi del sensore, vedere "Porta di I/O" (pagina 230).

6 Connettore uscita allarme

Utilizzare questo connettore per le linee di uscita allarme.

Per i dettagli di collegamento e uno schema di connessione dell'uscita di allarme, vedere "Porta di I/O" (pagina 230).

7 Connettori monitor HDMI (1 e 2)

Utilizzare questi connettori per i monitor che supportano l'ingresso HDMI.

Il connettore monitor HDMI 1 e il connettore monitor 12 1 (e il connettore monitor 1 sulla parte anteriore dell'unità) non possono essere utilizzati contemporaneamente; il connettore monitor HDMI 2 e il connettore monitor 12 2 non possono essere utilizzati contemporaneamente.

8 Connettore ingresso audio

proveniente da una periferica audio, ad es. un microfono.

I microfoni con alimentazione a spina sono supportati.

9 Connettore di uscita mini-SAS

Utilizzare questo connettore per il cavo mini-SAS utilizzato per collegare un'unità NSRE-S200. L'NSRE-S200 è un'unità di memoria di espansione opzionale.

10 Connettore USB

Questo connettore consente di collegare all'unità NSR una tastiera USB, un mouse, memoria flash USB o un controllore di sistema (RM-NS1000).

11 Connettori LAN $(1 \sim 4)$

Utilizzare questi connettori per collegare i cavi di rete 10 Base-T, 100 Base-TX o 1000 Base-T.

LAN1: Telecamere di rete¹⁾

LAN2: Telecamere di rete¹⁾ (LAN2 può essere utilizzato solo se si utilizza un segmento diverso da LAN1).

 Collegare i client remoti alla rete specificata in [Interfaccia di rete per client remoto] (LAN1 o LAN2) nella schermata Configurazione Server. Per ulteriori dettagli fare riferimento alla Guida utente (PDF).

LAN3: Utilizzato per dispositivo di memorizzazione

LAN4: Utilizzato per dispositivo di memorizzazione iSCSI²⁾

 Per maggiori informazioni sull'utilizzo di dispositivi di memorizzazione iSCSI, rivolgersi al proprio rivenditore Sony.

Avvertenza

Non configurare i connettori LAN 1, 2, e 3 sullo stesso segmento di rete.

|12| Connettori monitor (1 e 2)

Utilizzare questi connettori per collegare un monitor. Il connettore monitor 1 (e il connettore monitor 1 sulla parte anteriore dell'unità) e il connettore monitor HDMI 1 non possono essere utilizzati contemporaneamente, mentre il connettore monitor 2 e il connettore monitor HDMI 2 non possono essere utilizzati contemporaneamente.

[13] Connettori uscita audio (S e D)

Utilizzare questi connettori per inviare un segnale audio a una periferica audio.

14 Connettore alimentazione

Utilizzare questo connettore per il cavo di alimentazione.

15 Connettore di ingresso del cavo della telecamera analogica

Utilizzare questo connettore per collegare le telecamere analogiche tramite il cavo di ingresso della telecamera analogica.

L'NSR-1050H è munita di serie di questo connettore, mentre l'NSR-1200/1100 richiede un'espansione NSBK-A16/A16H (opzionale).

Dati di riferimento per l'installazione

Consumo di corrente e corrente di punta di entrata

Modello	Tensione di Caricamento ingresso completo CA		Corrente di punta di entrata	
NSR-1200	100 V	2.66 A		
NSK-1200	220 V	1.14 A	_	
NSR-1100	100 V	1.84 A	_	
N3K-1100	220 V	0.79 A	- - 13 A	
NSR-1050H	100 V	1.75 A	- 13 A	
N3K-1030H	220 V	0.76 A	_	
NSRE-S200	100 V	0.79 A	='	
N3KE-3200	220 V	0.34 A	_	

Capacità di memorizzazione per i dati registrati

È possibile verificare la configurazione e la capacità del disco rigido dell'unità NSR-1200/1100/1050H e dell'eventuale unità di memoria di espansione opzionale¹⁾ facendo clic su [Informazioni] nella schermata di accesso dell'apparecchio serie NSR-1000 per visualizzare la schermata di informazioni. È possibile verificare la capacità effettiva di memorizzazione²⁾ per la registrazione di dati nella scheda [memorizzazione] della schermata Server.

- 1) Le capacità dei dischi rigidi indicate sono approssimative, sulla base della seguente equazione per 1 GB: $1.000 \times 1.000 \times 1.000 = 1.000.000.000$ byte
- 2) Le capacità di memorizzazione sono approssimative, sulla base della seguente equazione per 1 GB: $1.024 \times 1.024 \times 1.024 = 1.073.740.000$ byte

Numero di telecamere

Numero massimo di telecamere

Modello	Numero massimo di telecamere	
NSR-1200	64	
NSR-1100	32	
NSR-1050H	20	

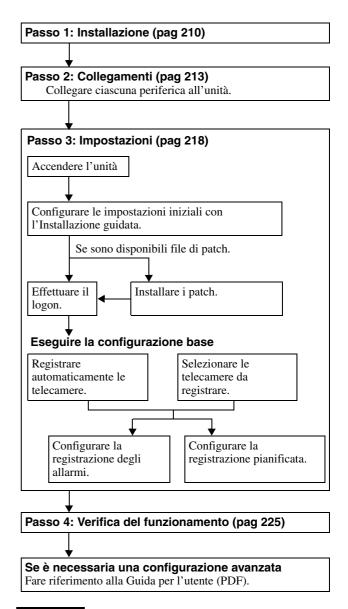
Numero massimo di telecamere analogiche (incluse nel numero totale di telecamere)

Modello Numero massimo di telecamere analogiche		
NSR-1200	16 (con NSBK-A16/A16H opzionale)	
NSR-1100	16 (con NSBK-A16/A16H opzionale)	
NSR-1050H	16	

Numero massimo di canali audio

Modello	Numero massimo di canali audio		
NSR-1200	64		
NSR-1100	32		
NSR-1050H	20		

Fasi preliminari



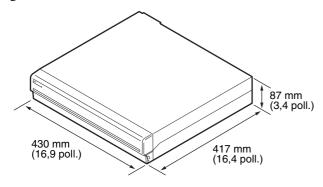
Avvertenza

I file di patch sono distribuiti da Sony per consentire la compatibilità di ulteriori modelli di telecamere e ampliare le funzioni esistenti. Rivolgersi al proprio rivenditore Sony. Per ulteriori informazioni, fare riferimento a "Installazione di file patch" (pagina 226).

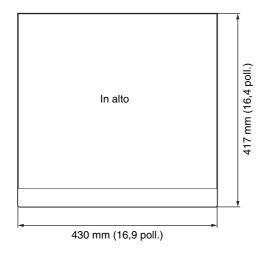
Passo 1: Installazione

Prima della configurazione, verificare che il luogo di installazione offra spazio e robustezza sufficienti per supportare l'unità.

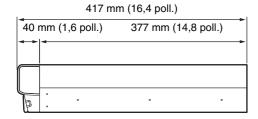
L'unità NSR-1200 pesa circa 13,5 kg (29,8 lb), l'unità NSR-1100 circa 12 kg (26,7 lb) e l'unità NSR-1050H circa 11,5 kg (25.4 lb.). Le dimensioni dell'unità sono le seguenti.



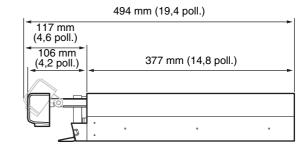
In alto

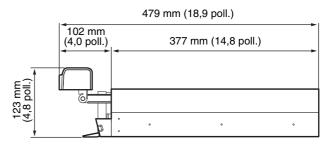


Quando la lunetta frontale è chiusa



Quando la lunetta frontale è aperta

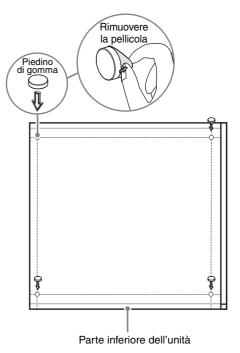




È possibile installare l'apparecchio su rack utilizzando il kit di montaggio su rack opzionale.

Installazione senza rack

Fissare al registratore i piedini di gomma in dotazione. Posizionare il registratore in posizione verticale in modo che la superficie inferiore sia visibile. Quindi fissare le superfici adesive dei piedini di gomma alla parte inferiore del registratore, come mostrato nell'immagine qui sotto.



Installazione con montaggio a rack

Installare l'unità NSR in un rack utilizzando il kit di montaggio su rack opzionale (venduto a parte).

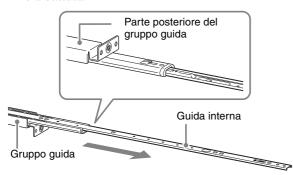
Attenzione

- Non utilizzare kit di montaggio in rack diversi da quello specifico per le unità NSR (venduto in opzione separatamente) per evitare possibili rischi di incendio, folgorazione o altri danni.
- Se si monta l'unità NSR in un rack, assicurarsi di non posizionare oggetti pesanti su di essa.
- Prima di montare l'unità NSR in un rack, si raccomanda di segnare nel rack la posizione desiderata con un pennarello. Il montaggio della NSR nel rack in posizione diversa da quella orizzontale può provocare malfunzionamenti.
- Per ordinare un kit di montaggio su rack, contattare il proprio rivenditore.

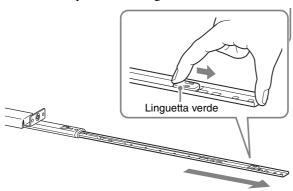
Estrazione delle guide interne

Estrarre le guide interne dai gruppi guida.

1 Estrarre la guida interna da uno dei gruppi guida fino a battuta.



2 Capovolgere il gruppo guida. Tirando la linguetta verde verso l'esterno per rilasciare il blocco, estrarre completamente la guida interna.



Ripetere la stessa procedura con l'altro gruppo guida per estrarre la guida interna.

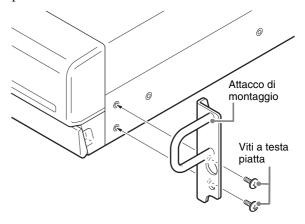
Nota

La guida interna verrà installata sulla NSR, mentre il gruppo guida verrà installato sul rack.

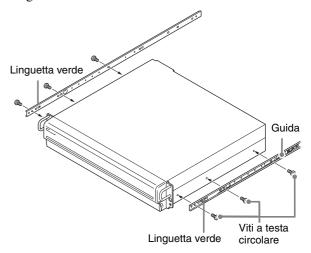
Preparazione dell'unità NSR

Utilizzare i dispositivi di fissaggio e le viti in dotazione per installare la guida interna sulla NSR.

1 Utilizzare le viti a testa piatta per collegare gli attacchi di montaggio alla parte anteriore del pannello laterale.



2 Utilizzare le restanti viti a testa circolare per installare le guide sulla NSR, come mostrato in figura.



Avvertenza

L'utilizzo di viti diverse da quelle in dotazione può comportare danni all'unità. Per montare le guide utilizzare esclusivamente le viti fornite in dotazione.

Preparazione del rack

Installare le guide sul rack.

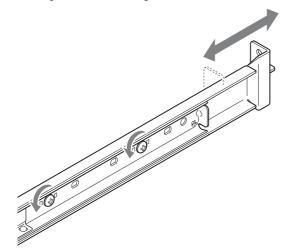
1 Decidere se installare le guide sul rack.

Si consiglia di segnare questa posizione con un evidenziatore o con un pennarello.

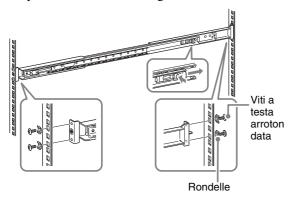
Avvertenza

Se le guide vengono installate ad altezze differenti, possono verificarsi malfunzionamenti nella NSR.

- **2** Installare le guide sul rack.
 - (1) Regolare la lunghezza delle guide in modo che corrispondano alla lunghezza del rack.



(2) Utilizzare le viti a testa arrotondata in dotazione per fissare entrambe le guide al rack.



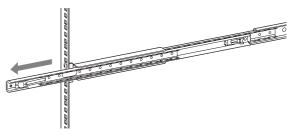
Montaggio su rack dell'unità NSR

Inserire la NSR nel rack, quindi fissarla.

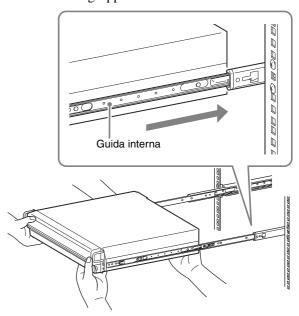
Avvertenza

Per evitare infortuni è necessaria la presenza di almeno due persone per maneggiare l'unità.

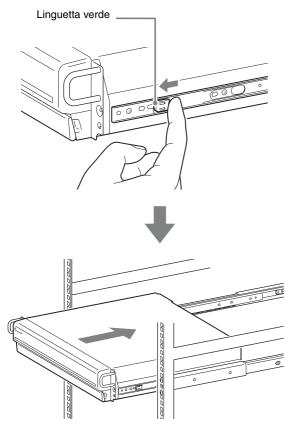
1 Tirare le guide scorrevoli dai gruppi guida.



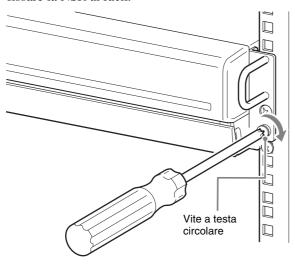
2 Sollevare la NSR, inserire le guide interne nelle scanalature (bianche) della guida scorrevole, quindi far scorrere il gruppo finché non si ferma.



3 Quando si tira verso l'interno la linguetta verde per rilasciare il blocco, far scorrere la NSR fino a battuta.



4 Utilizzare le viti a testa circolare in dotazione per fissare la NSR al rack.



Installazione dei accessori opzionali

Per ulteriori informazioni sull'installazione di NSRE-S200, consultare il Manuale di installazione NSRE-S200. Per ulteriori informazioni sull'espansione NSBK-A16/A16H, rivolgersi al rivenditore Sony.

Passo 2: Collegamenti

Collegare ciascuna periferica all'unità.

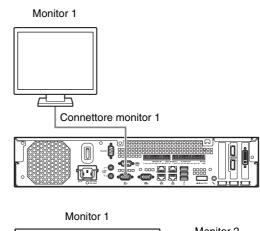
Collegamento di un monitor

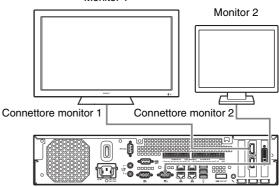
Quando si collega un solo monitor, collegarlo al connettore monitor RGB analogico 1 oppure al connettore monitor HDMI 1.

Quando si collega un secondo monitor, collegarlo al connettore monitor RGB analogico 2 oppure al connettore monitor HDMI 2.

Per ulteriori informazioni, fare riferimento a "Esempi di collegamento del monitor" (pagina 227).

Esempio) Quando il collegamento avviene presso i connettori posteriori del monitor





Connettore raccomandato quando l'apparecchio è in uso

Monitor		Connettori da utilizzare			
		Connettor e monitor HDMI 1	Connettor e monitor HDMI 2	Connettor e monitor RGB analogico 1	Connettor e monitor RGB analogico 2
Un solo monitor	Monitor HDMI	0	_	_	_
	Monitor RGB analogico	-	_	0	_
Due monitor	Monitor HDMI × 2	0	0	-	-
	Monitor RGB analogico × 2	-	-	0	0
	Monitor HDMI e monitor	0	_	_	0
	RGB analogico		0	0	_

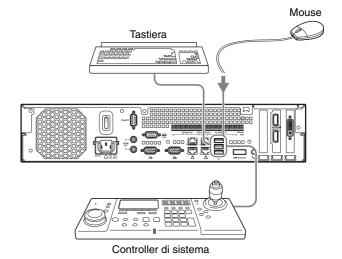
Note

- Esistono tre connettori del monitor etichettati con "1" (due analogici RGB; uno HDMI) e due connettori del monitor etichettati con "2" (uno analogico RGB; uno HDMI), ma è possibile utilizzarne solo uno ciascuno (1 e 2) contemporaneamente.
- Non accendere l'unità mentre i monitor sono collegati al connettore monitor RGB analogico 1 sulla parte anteriore e posteriore dell'unità.
- Quando l'apparecchio viene utilizzato con un solo monitor RGB analogico, non collegare il monitor al connettore monitor RGB analogico 1 sul retro dell'unità mentre l'unità è accesa.
- Quando si collegano due monitor RGB analogici, non utilizzare i connettori monitor HDMI.
- Quando si utilizzano i monitor HDMI, assicurarsi di collegare il monitor HDMI e accenderlo prima di accendere l'unità.
- Se è collegato un monitor HDMI al connettore monitor HDMI numero 2, le schermate di riavvio e spegnimento sono visualizzate solo sul monitor 2.
- Non collegare un monitor al connettore monitor HDMI 1 mentre si utilizza il connettore monitor analogico RGB 1 sulla parte anteriore dell'unità.
- Quando i monitor sono collegati tramite un interruttore monitor, talvolta le immagini non vengono visualizzate. Si raccomanda di collegare i monitor direttamente all'unità.

Collegamento della tastiera, del mouse e del controller di sistema

Collegare i dispositivi ai connettori USB sulla parte anteriore e posteriore dell'unità.

Esempio) Quando il collegamento avviene presso i connettori USB sul retro



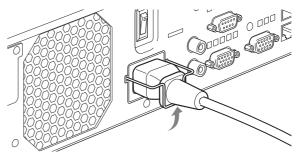
Note

- Questa unità supporta controller di sistema RM-NS1000 e controller USB IP Desktop prodotti da CH Products. Altri tipi di telecomando non sono supportati.
- Quando si utilizzano dispositivi USB, non tralasciare di leggere prima "Precauzioni per l'utilizzo dei dispositivi USB" (pagina 202) nella sezione "Precauzioni per l'uso".

Collegamento del cavo di alimentazione

Collegare il cavo di alimentazione al connettore di alimentazione.

Bloccare il fermo di sicurezza per prevenire lo scollegamento del cavo di alimentazione.

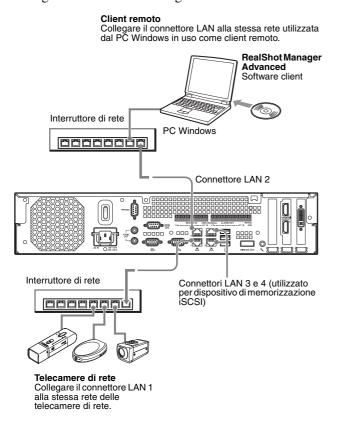


Attenzione

- Non tralasciare di leggere le "Informazioni importanti sull'installazione" (pagina 201) prima di installare l'unità. Quando si utilizza l'unità in combinazione con unità NSR multiple oppure con una NSRE-S200 opzionale, accertarsi che l'alimentazione sia sufficiente.
- Per ulteriori informazioni sul consumo di corrente e sulla corrente di punta di entrata per l'NSR-1200/ 1100/1050H e l'NSRE-S200, consultare "Dati di riferimento per l'installazione" (pagina 208).

Collegamento a una rete

Collegare la rete nel modo seguente.



Collegamenti a client remoti

Quando è necessario un client remoto, è possibile utilizzare il software client RealShot Manager Advanced fornito con questa unità.

 Utilizzare la versione di RealShot Manager Advanced fornita con questa unità. Per ulteriori informazioni su come effettuare il download del programma di installazione per RealShot Manager Advanced, consultare "Download dei file memorizzati sull'NSR" (pagina 205). Per ulteriori informazioni sull'installazione e sul collegamento all'unità NSR, consultare la Guida all'installazione di RealShot Manager Advanced (PDF).

- Il software client RealShot Manager Advanced gira sui computer Windows. Per ulteriori informazioni sulle specifiche di sistema consigliate, consultare le note sulla versione incluse nell'archivio di installazione per software client RealShot Manager Advanced.
- Se si desidera usare RealShot Manager Advanced come controller remoto per l'unità NSR, selezionare [Client] durante l'installazione di RealShot Manager Advanced.
- Quando il collegamento avviene tramite rete locale dell'utente, utilizzare il connettore LAN 2.
- Per dettagli sulle impostazioni NSR quando si utilizza il software client RealShot Manager Advanced, vedere "Configurazioni per l'utilizzo del software client RealShot Manager Advanced" (pagina 224).

Connettori LAN 3 e 4 (utilizzato per dispositivo di memorizzazione iSCSI)

Dato che i connettori LAN 3 e 4 assicurano ridondanza di rete, si deve assegnare lo stesso indirizzo IP a entrambi i connettori.

Attenzione

Non utilizzare dispositivi di memorizzazione iSCSI insieme a un'unità NSRE-S200.

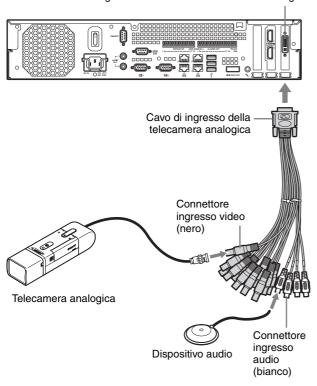
Note

- Gli indirizzi IP per questo apparecchio sono i seguenti:
 - Connettore LAN 1: 192.168.0.1
- Connettore LAN 2: 192.168.1.1
- Connettore LAN 3: 192.168.2.1
- Connettore LAN 4: 192.168.2.1
- Per modificare gli indirizzi IP predefiniti, fare riferimento alla Guida per l'utente (PDF).

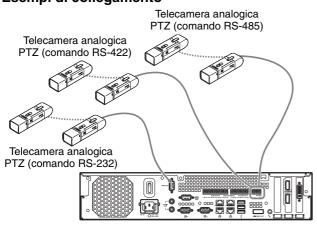
Collegamento della telecamera analogica

Collegare la telecamera analogica utilizzando il cavo di ingresso della telecamera analogica in dotazione. Per controllare le operazioni Pan, Tilt e Zoom, collegare un cavo di comando della telecamera al connettore RS-232C o al connettore RS-422/485 (quattro piedini all'estrema destra sul connettore uscita allarme). (È possibile solo uno di questi connettori (RS-232C, RS-422, RS-485) alla volta).

Connettore di ingresso del cavo della telecamera analogica



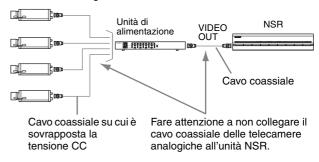
Esempi di collegamento



Attenzione

Quando si utilizzano telecamere e unità di alimentazione che sovrappongono la tensione CC sul cavo coassiale video, fare estrema attenzione al cablaggio del cavo coassiale. Se il cavo della telecamera su cui è sovrapposta la tensione CC è collegato all'unità NSR, possono verificarsi malfunzionamenti.

Telecamera analogica



Note

- L'NSR-1050H è munita di serie di connettore del cavo di ingresso per telecamera analogica, mentre l'NSR-1200/1100 richiede un'espansione NSBK-A16/A16H (opzionale).
- Se si utilizzano le funzioni di Pan, Tilt e Zoom, è necessario configurare un numero di controllo univoco. Per ulteriori informazioni sulla configurazione dei numeri di controllo, fare riferimento alle istruzioni operative relative alle telecamere analogiche.
- Per ulteriori informazioni sulla piedinatura del connettore RS-422/485, consultare "Assegnazione dei pin della porta di I/O" (pagina 230).

Collegamento di un'unità NSRE-S200

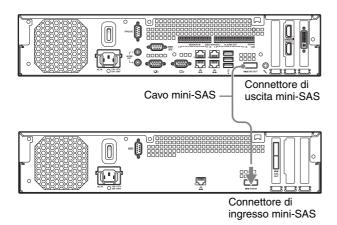
Utilizzare il cavo mini-SAS in dotazione all'NSRE-S200 opzionale per collegare l'NSR-1200/1100/1050H all'unità NSRE-S200 come descritto di seguito. È possibile collegare al NSR-1200/1100/1050H fino a sette unità NSRE-S200.

Per ulteriori informazioni sulle configurazioni di collegamento, fare riferimento a "Esempio di collegamento NSRE-S200" (pagina 228).

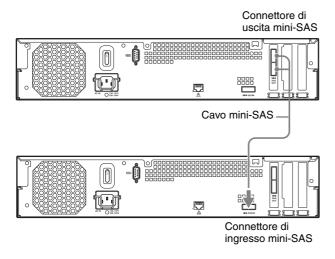
Nota

Accertarsi di collegare l'NSR-1200/1100/1050H e l'NSRE-S200 prima di accendere l'alimentazione.

Collegamento dell'NSR-1200/1100/1050H all'unità NSRE-S200



Collegamento di due unità NSRE-S200



Attenzione

- Non utilizzare un'unità NSRE-S200 insieme a dispositivi di memorizzazione iSCSI.
- Assicurarsi che i cavi mini-SAS siano collegati saldamente per evitare che possano scollegarsi. Se si dovesse scollegare un cavo mini-SAS durante il funzionamento dell'unità potranno verificarsi errori nella registrazione. Spegnere sempre gli apparecchi prima di collegare o scollegare i cavi mini-SAS.

Collegamento di altre periferiche

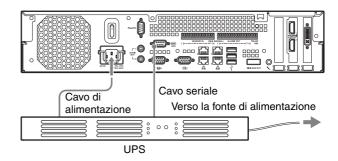
Collegamento di ingressi di sensori e uscite di allarme

Collegare i cavi al connettore di ingresso del sensore e al connettore di uscita allarme.

Per ulteriori informazioni, fare riferimento a "Porta di I/O" (pagina 230).

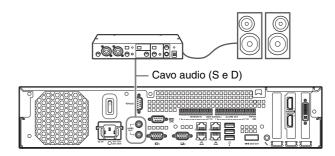
Collegamento di un gruppo di continuità (UPS)

- 1 Collegare il UPS all'uscita di alimentazione.
- **2** Collegare l'unità NSR all'UPS con il cavo di alimentazione in dotazione.
- **3** Collegare l'unità NSR all'UPS con il cavo seriale dedicato al connettore seriale posto sul retro dell'NSR.



Collegamento di un dispositivo di uscita audio

Collegare il dispositivo di uscita audio ai connettori di uscita audio (S e D).



Passo 3: Impostazioni

Questa sezione fornisce informazioni su come accendere l'unità e indicazioni generali su come registrare le telecamere ed altri dispositivi.

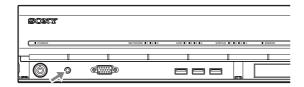
Accensione dell'unità

Quando si preme l'interruttore di alimentazione sul lato anteriore o posteriore dell'unità, questa si accende. Quando si collega un'NSRE-S200 opzionale, attendere l'accensione dell'NSRE-S200 prima di accendere questo apparecchio.

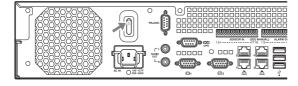
Attenzione

Considerare la corrente di punta di entrata durante la configurazione dei collegamenti di alimentazione per i sistemi che includono unità NSR multiple oppure un'unità NSRE-S200. Per ulteriori informazioni sulla corrente di punta di entrata, consultare "Dati di riferimento per l'installazione" (pagina 208).

Interruttore di alimentazione sul lato anteriore



Interruttore di alimentazione sul lato posteriore



Il LED di alimentazione sul pannello anteriore è illuminato con luce verde quando l'unità è accesa.

Quando si accende l'unità per la prima volta, l'Installazione guidata viene avviata automaticamente. Continuare passando alla sezione successiva, "Configurazione delle impostazioni iniziali con l'Installazione guidata".

Note

- La ventola potrebbe essere rumorosa per circa 2 secondi dopo l'accensione dell'unità. Non si tratta di un malfunzionamento.
- Se l'unità è stata spenta mediante operazioni di sistema, premere il tasto di accensione sul pannello

- anteriore oppure l'interruttore di alimentazione sul pannello posteriore per accendere l'unità.
- Se in precedenza è stato effettuato uno spegnimento forzato, l'unità potrebbe impiegare più tempo per l'avvio.

Per spegnere l'unità

Dopo il logon sull'unità NSR, fare clic su parte superiore della schermata principale e selezionare [Spegni] dal menu che viene visualizzato.

Nota

Normalmente, l'unità si spegne dopo alcuni minuti. Se dopo alcuni minuti l'unità non si spegne, forzare l'arresto premendo l'interruttore di alimentazione sul pannello posteriore dell'unità nella posizione (b) per almeno 5 secondi.

Configurazione delle impostazioni iniziali con l'Installazione guidata

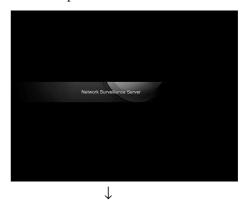
Questa sezione illustra il flusso generale dell'Installazione guidata. Per maggiori dettagli sulle impostazioni, fare riferimento a "Modifica delle impostazioni iniziali con il Menu Setup" nella Guida per l'utente (PDF).

Quando si accende l'unità per la prima volta, l'Installazione guidata viene avviata automaticamente. È possibile configurare le stesse impostazioni successivamente accedendo alla schermata di logon, Menu amministrazione e quindi Menu Setup. Per ulteriori informazioni, fare riferimento a "Per accedere al Menu Setup dalla schermata di accesso" (pagina 222).

Avvertenza

Alcune voci visualizzate in inglese sulle schermate in questo manuale sono in italiano.

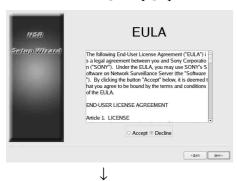
Quando si accende l'unità, l'Installazione guidata viene avviata dopo la visualizzata della schermata seguente.



Fare clic su [Next].



Leggere attentamente il Contratto di licenza con l'utente finale, fare clic su [Accept], quindi fare clic su [Next].



Selezionare una lingua per il display, quindi fare clic su [Next].



Selezionare una lingua per la tastiera, quindi fare clic su [Avanti].

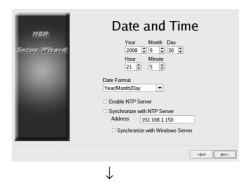


Selezionare un fuso orario, quindi fare clic su [Avanti].

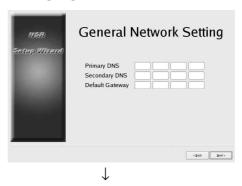


Impostare la data e l'ora, quindi fare clic su [OK].

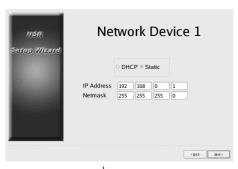
- Quando si seleziona la casella di controllo [Enable NTP Server], l'unità funge da server NTP per la sincronizzazione di data e ora.
- Quando si seleziona la casella di controllo [Synchronize with NTP Server], è possibile sincronizzare la data e l'ora con un server NTP differente.
- Se non è possibile sincronizzare la data e l'ora con il server Windows come server NTP, è possibile selezionare la casella di controllo [Synchronize with Windows Server] per imporre la sincronizzazione con il server NTP Windows.



Impostare l'indirizzo IP di ciascun server, quindi fare clic su [OK].



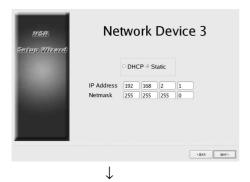
Impostare l'indirizzo IP per il connettore LAN 1, quindi fare clic su [Avanti].



Impostare l'indirizzo IP per il connettore LAN 2, quindi fare clic su [Avanti].



Impostare l'indirizzo IP per il connettore LAN 3, quindi fare clic su [Avanti].



Configurare le impostazioni per il monitor 1, quindi fare clic su [Avanti].

• Se si seleziona [Auto], il tipo di monitor collegato e la relativa risoluzione vengono rilevati e configurati automaticamente.

Per ulteriori informazioni sulle risoluzioni supportate, consultare "Requisiti di sistema" (pagina 204).

• Quando si collegano due monitor all'unità, selezionare la casella di controllo [Dual Head].



Nota

Se è connesso un monitor HDMI, è possibile che l'immagine venga compressa per adattarsi allo schermo e il testo può apparire sfocato anche dopo aver impostato la risoluzione del monitor e la risoluzione dell'immagine sugli stessi valori. Può essere possibile migliorare la qualità dell'immagine selezionando la casella di controllo [Dot By Dot], in modo che ciascun pixel dell'immagine sia visualizzato da un punto del monitor, senza alcuna espansione o compressione. Può essere necessario anche riconfigurare le impostazioni del monitor stesso. Fare riferimento alle istruzioni per l'uso del monitor.

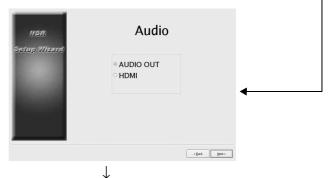


Se si collega un secondo monitor, configurare le impostazioni relative al monitor 2.

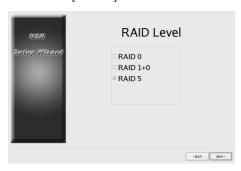
Dopo aver configurato le impostazioni per il secondo monitor, riavviare l'unità mentre il secondo monitor è collegato



Selezionare quale connettore di uscita audio utilizzare, quindi fare clic su [Avanti].



Selezionare il tipo di RAID per il disco rigido interno e fare clic su [Avanti].



Nota

Questa schermata è visualizzata solo per i modelli che supportano la modifica del livello RAID.

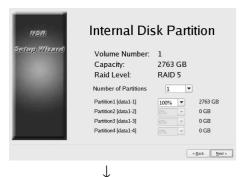
Attenzione

Se si modifica il livello RAID, il RAID verrà ristrutturato al termine della procedura guidata. La ristrutturazione del RAID può richiedere diverse ore, a seconda del livello selezionato e della capacità.



Configurare le partizioni dell'unità disco rigido interna, quindi fare clic su [Avanti].

Specificare il numero di partizioni e selezionare la percentuale della capacità totale da assegnare ad ogni partizione.



Impostare il nome del server, quindi fare clic su [OK].



Configurare le impostazioni di collegamento delle telecamere analogiche, quindi fare clic su [Avanti]. Selezionare lo standard del connettore seriale a cui sarà collegata la fotocamera da gestire, e configurare le impostazioni quali la velocità di trasmissione e i bit di parità.

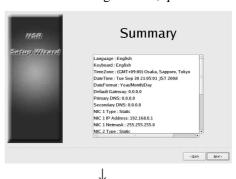
(Questa schermata viene visualizzata solo quando è collegata un'unità NSR-1050H o un'espansione NSBK-A16/A16H (opzionale)).



Selezionare il formato video delle telecamere analogiche da collegare, quindi fare clic su [Avanti]. (Questa schermata viene visualizzata solo quando è collegata un'unità NSR-1050H o un'espansione NSBK-A16/A16H (opzionale)).



Verificare le configurazioni, quindi fare clic su [Avanti].



Fare clic su [Fine] quando viene visualizzato il messaggio di conferma del riavvio.



L'unità viene riavviata.

Viene visualizzato la schermata principale. Continuare passando alla sezione successiva, "Logon".

Per accedere al Menu Setup dalla schermata di accesso





Se sono disponibili file di patch

È possibile installare sulla NSR i file di patch distribuiti da Sony.

I file di patch sono distribuiti da Sony per consentire la compatibilità di ulteriori modelli di telecamere e ampliare le funzioni esistenti. Si raccomanda di installare sempre questi file di patch per utilizzare la NSR con il software più aggiornato.

Per ulteriori informazioni, fare riferimento a "Installazione di file patch" (pagina 226).

Logon

Immettere il nome utente e la password, quindi fare clic su [Logon].

Nome utente predefinito:admin Password predefinita:admin



Una volta eseguito correttamente il logon, viene visualizzata la finestra di dialogo Autoregistrazione telecamera.

Continuare passando alla sezione successiva, "Esecuzione della configurazione base".

Esecuzione della configurazione base

Questa sezione descrive come registrare e configurare la registrazione di allarmi per dispositivi che vengono rilevati automaticamente. Per dettagli su registrare contemporaneamente tutti i dispositivi rilevati automaticamente, consultare la Guida introduttiva (documento separato).

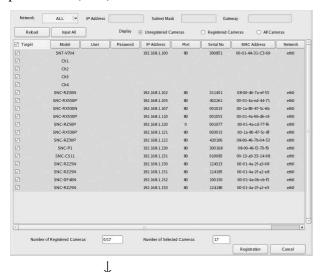
Per registrare una telecamera

Selezionare [Apri più finestre di registrazione telecamera], quindi fare clic su [OK].

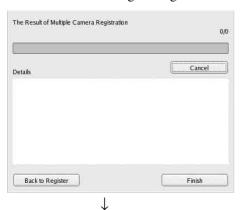


I dispositivi sullo stesso segmento di rete vengono rilevati automaticamente.

Selezionare le caselle di controllo delle telecamere che si desidera registrare, quindi fare clic su [Registrazione]. Per ulteriori informazioni sulle impostazioni, fare riferimento a "Registrazione di dispositivi" nella Guida per l'utente (PDF).

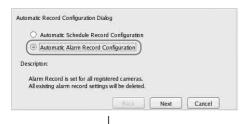


Ora le telecamere vengono registrate.



Per configurare la registrazione di allarmi

Selezionare [Registrazione allarme automatica], quindi fare su clic [Avanti].



Viene visualizzato il messaggio di conferma. Fare clic su [Successivo].



Verificare le configurazioni, quindi fare clic su [Fine].



Ha inizio la registrazione degli allarmi. Una volta completata la configurazione, si apre la schermata principale.



Dopo l'esecuzione della configurazione base, i valori per ciascuna impostazione saranno come descritto di seguito.

Impostazione	Registrazione pianificata	Registrazione allarmi
Dimensioni immagine	Dimensioni massime dell'immagine supportate dalla telecamera. ¹⁾	A seconda delle impostazioni di registrazione su allarme o evento nella scheda [Video].
Codec	A seconda delle impostazioni di Registrazione programmata nella scheda [Video].	A seconda delle impostazioni di registrazione su allarme o evento nella scheda [Video].
Frequenza di frame	Dipende dalla durata di memorizzazione dei dati registrati. ¹⁾	A seconda delle impostazioni di registrazione su allarme o evento nella scheda [Video].
Qualità	Livello 3 (telecamere con 5 livelli di impostazione) Livello 5 (telecamere con 10 livelli di impostazione)	A seconda delle impostazioni di registrazione su allarme o evento nella scheda [Video].
Velocità in bit	Dipende dalla durata di memorizzazione dei dati registrati. 1)	A seconda delle impostazioni di registrazione su allarme o evento nella scheda [Video].

Impostazione	Registrazione pianificata	Registrazione allarmi
Trigger di registrazione	_	VMD (Telecamera) VMD (Registratore) se la telecamera non è supportata. JPEG: Modo standard MPEG4, H.264: Modalità ad alte prestazioni
Percorso di memorizzazione dei dati	Invariata rispetto alla configurazione esistente. ²⁾	Invariata rispetto alla configurazione esistente. ²⁾
Audio	Dipende dalle impostazioni configurate nella scheda [Audio].	Dipende dalle impostazioni configurate nella scheda [Audio].
Sovrascrittura dati	Invariata rispetto alla configurazione esistente.	Invariata rispetto alla configurazione esistente.
Pulitura	Elimina i dati che sono superiori alla durata di archiviazione.	Invariata rispetto alla configurazione esistente.

1) A seconda del modello di telecamera, si possono usare i valori configurati per le impostazioni Registrazione programmata nella scheda [Video].

2) Se l'utente non ha configurato le impostazioni del percorso di memorizzazione per la telecamera, la capacità sulla prima partizione del disco rigido interno dell'unità viene utilizzata per calcolare le altre impostazioni. Se l'utente ha configurato le impostazioni del percorso di memorizzazione, la capacità di ciascun percorso viene utilizzata per calcolare le altre impostazioni.

Attenzione

- Se le impostazioni di registrazione pianificata e di registrazione allarmi esistono già quando si esegue la "registrazione automatica", le configurazioni automatiche sostituiscono le impostazioni precedenti.
- Se i percorsi di memorizzazione delle telecamere vengono modificati, le impostazioni non saranno modificate automaticamente. È possibile eseguire nuovamente la configurazione di base per ricalcolare le impostazioni.

Impostazioni che richiedono una configurazione specifica

Nei seguenti casi sono necessarie ulteriori operazioni di configurazione.

Impostazioni delle posizioni di memoria

Nelle impostazioni di configurazione base, i dati vengono memorizzati sulla prima partizione del disco rigido interno dell'unità.

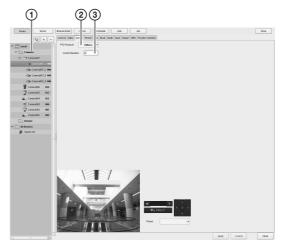
Per ulteriori informazioni sulla registrazione dei dati su un'unità NSRE-S200 opzionale o su altre partizioni, fare riferimento alla Guida per l'utente (PDF).

Per la realizzazione di sistemi che includono unità NSR multiple o server RealShot Manager Advanced

Quando si configurano server multipli, è richiesta una configurazione specifica. Per ulteriori informazioni fare riferimento alla Guida dell'utente (PDF).

Impostazioni delle delle funzioni Pan, Tilt e Zoom per le telecamere analogiche

Configurare le impostazioni di Pan, Tilt e Zoom per telecamere analogiche come descritto di seguito dalla scheda [Controllo] di Configurazione dispositivo.



- ① Selezionare la telecamera analogica.
- ② Selezionare un protocollo in base alle impostazioni della telecamera analogica.
- ③ Immettere il numero di controllo configurato sulla telecamera analogica selezionata.

Nota

Per configurare queste impostazioni, è necessario aver configurato in precedenza la modalità di trasmissione nelle impostazioni "Serial Port" dell'Installazione guidata.

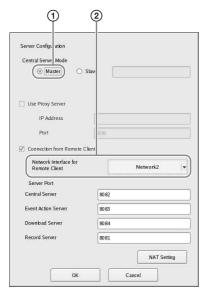
Impostazioni audio per le telecamere

Nelle impostazioni di configurazione base, l'audio è disabilitato. Per ulteriori informazioni sull'abilitazione dell'audio, fare riferimento alla Guida per l'utente (PDF).

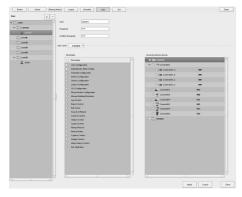
Configurazioni per l'utilizzo del software client RealShot Manager Advanced

Configurare le impostazioni seguenti sull'unità NSR che fungerà da server principale. Per ulteriori informazioni su queste impostazioni, fare riferimento alla Guida dell'utente (PDF).

1 Configurare le seguenti impostazioni nella schermata Configurazione server del Menu amministrazione.



- Selezionare [Master] in [Modalità server centrale].
- ② Selezionare l'interfaccia di rete per il collegamento in [Interfaccia di rete per cliente remoto] sotto [Collegamento da client remoto].
- 2 Creare un utente nel server master.
 Fare clic su + (aggiungi) nella schermata
 Configurazione utente, e creare un utente.



Passo 4: Verifica del funzionamento

Una volta terminate le configurazioni di base, accertarsi che le immagini della telecamera vengano visualizzate nella schermata principale e verificare altre operazioni del genere.



- Modificare la disposizione e visualizzare immagini dalle telecamere registrate.

 Trassinere una telecamera del riquedro Telecamera.
 - Trascinare una telecamera dal riquadro Telecamere a un'inquadratura del monitor per visualizzare le immagini da questa telecamera.
- ② Fare clic su un'inquadratura del monitor per attivarla (blu chiaro) e controllare Pan, Tilt e Zoom dalla scheda [Controllo] del riquadro Comando telecamera.
- ② Catturare un oggetto in movimento con la telecamera e confermare l'occorrenza dell'allarme. Se è stata configurata la registrazione allarmi con la configurazione base, un riquadro rosso circonda l'inquadratura del monitor, e in Cronologia allarme nella parte inferiore della schermata viene visualizzata una registrazione di ogni allarme.
- 4 Per ulteriori informazioni specifiche su ciascuna funzione, consultare la Guida alle funzioni della finestra Monitoraggio (documento separato).
- (5) Fare clic su [PLAYBACK] per riprodurre le registrazioni.
 - Facendo clic su [PLAYBACK], vengono riprodotte le immagini configurate in precedenza (riproduzione veloce).
 - Quando si inserisce una data e un'ora e si seleziona [GO], vengono riprodotte le immagini registrate.
- Fare clic sulla spia [ERROR] in basso a destra nella schermata per controllare se si sono verificati errori. Se viene visualizzato il registro di sistema quando si seleziona la spia [ERROR], è possibile controllare se si sono verificati problemi esaminando il registro.

Per ulteriori informazioni sulle funzioni della schermata principale, fare riferimento alla Guida alle funzioni della finestra Monitoraggio (documento separato) o alla Guida per l'utente (PDF).

Attenzione

Quando si collega una periferica USB all'unità, potrebbe accendersi la spia [ERROR] in basso a destra nella schermata "Principale". Ciò indica che l'unità potrebbe non supportare il dispositivo USB. Per ulteriori informazioni consultare "Precauzioni per l'uso" (pagina 201) oppure "Una periferica esterna collegata a un connettore USB non funziona." (pagina 232) nella sezione "Ricerca ed eliminazione dei problemi".

Quando si utilizza RealShot Manager Advanced come client remoto

Procedere come descritto di seguito per verificare il funzionamento.

- 1 Accesso a RealShot Manager Advanced.
 - Specificare il server durante l'accesso.
 Specificare il numero della porta configurata sul server centrale. Il numero di porta predefinito è "8082".
 - Immettere il nome utente e la password configurata nella schermata schermata Configurazione server (pagina 225) per il [nome utente] e la [password].



- 2 Nella schermata principale di RealShot Manager Advanced, assegnare le immagini alle inquadrature del monitor dalle telecamere collegate all'unità. Per assegnare le telecamere sono disponibili due metodi.
 - Trascinare una telecamera collegata all'unità dal riquadro Telecamere all'inquadratura del monitor.
 - Fare clic su un fotogramma del monitor per selezionarlo, quindi fare doppio clic su una telecamera nel riquadro Telecamere.
- Werificare che le immagini dalla telecamera selezionata al passaggio 2 vengono visualizzate nell'inquadratura del monitor.

Installazione di file patch

1 Copiare il file di patch su di un dispositivo di memoria USB o un CD/DVD.

Attenzione

Non modificare il nome file o altri aspetti del file patch.

2 Fare clic su [Installazione patch] nel Menu amministrazione.



Viene visualizzata la schermata Patch Installation.

3 Selezionare i supporti su cui è memorizzato il file patch.



Viene visualizzato un elenco di nomi di file patch.

- 4 Confermare a nome di file patch, quindi fare clic su [OK].
 Viene visualizzato un messaggio di conferma.
- **5** Verificare il contenuto del messaggio, quindi fare clic su [OK].

Attenzione

L'unità NSR esegue automaticamente il riavvio dopo l'installazione di determinati file patch. Se è necessario il riavvio viene visualizzata una schermata di conferma. Se non è opportuno arrestare le operazioni in corso di esecuzione, selezionare [No] per annullare l'installazione ed eseguire l'installazione quando il riavvio dell'unità NSR non è un problema.

Durante l'installazione del file patch compare la seguente schermata.



Una volta completata la l'installazione, la patch viene applicata.

Esempi di collegamento

Esempi di collegamento del monitor

Questa unità supporta svariate combinazioni di collegamento del monitor. Fare riferimento agli esempi di collegamento seguenti.

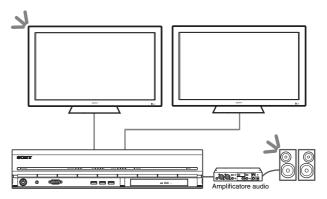
Nota

È possibile selezionare l'output di audio RCA oppure di audio HDMI nella schermata Audio dell'Installazione guidata o nel Menu Setup.

Attenzione

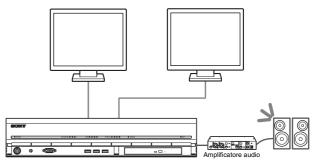
Assicurarsi di collegare i monitor e accenderli prima di accendere l'unità.

Esempio 1) Quando si collegano due monitor HDMI



■: ubicazione delle uscite audio.

Esempio 2) Quando si collegano due monitor RGB analogici

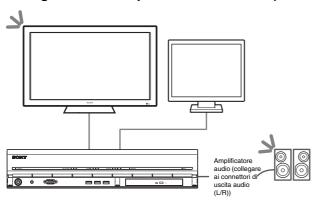


■: ubicazione delle uscite audio.

Note

- Non collegare i monitor ai connettori monitor HDMI 1 e 2.
- Non collegare un monitor al connettore monitor analogico RGB 1 sulla parte anteriore dell'unità mentre l'unità è accesa.

Esempio 3) Quando si collega un monitor HDMI e un monitor RGB analogico (monitor HDMI analogico utilizzato per il funzionamento)

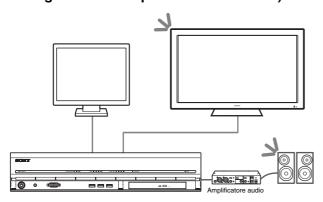


: ubicazione delle uscite audio.

Nota

Per le connessioni, utilizzare il connettore monitor HDMI 1 e il connettore monitor analogico RGB 2.

Esempio 4) Quando si collega un monitor HDMI e un monitor RGB analogico (monitor RGB analogico utilizzato per il funzionamento)



: ubicazione delle uscite audio.

Nota

Per le connessioni, utilizzare il connettore monitor analogico RGB 1 e il connettore monitor HDMI 2.

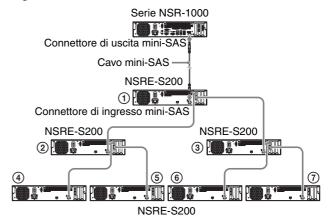
Esempio di collegamento NSRE-S200

È possibile collegare fino a sette unità NSRE-S200 opzionali all'NSR-1200/1100/1050H nelle seguenti configurazioni ad albero.

Nota

Il cavo mini-SAS utilizzato per il collegamento è in dotazione all'unità NSRE-S200. Utilizzare sempre e unicamente il cavo fornito.

Si consiglia di collegare le espansioni NSRE-S200 nel seguente ordine.



Di seguito è riprodotto l'elenco visualizzato quando sono connesse unità alle Posizioni 1, 3 e 6. Si osservi che il numero di volume è visualizzato nell'ordine in cui sono state configurate le partizioni.



Varie

LED di stato

Quando si verifica un errore nell'unità, il LED DI ERRORE sul pannello anteriore dell'unità lampeggia o si illumina a seconda dello stato di errore e il LED DI STATO si illumina.

STATUS I 1 I 2 I 3 I 4 I ERROR

Il LED di stato indica le seguenti situazioni di errore.

Codici di errore visualizzati durante la sequenza di avvio

(Se durante la squenza di avvio si verifica un errore, il LED di errore lampeggia.)

Codice errore	LED di stato	LED di errore	Possibile causa
1	1234	_ Lampeggiante	Mancanza tensione di alimentazione
2	1234	_ Lampeggiante	Guasto alla ventola della CPU
3	1234	_ Lampeggiante	Modulo di memoria guasto
4	1234	_ Lampeggiante	Guasto alla batteria CMOS
5	1234	Lampeggiante	Guasto al memoria ad accesso casuale video (RAM) oppure controller
6	1234	Lampeggiante	Guasto al controller del disco rigido
7	1234	Lampeggiante	Impossibile trovare una periferica per l'avvio
8	1234	Lampeggiante	Impossibile trovare un sistema operativo per l'avvio
9	1234	Lampeggiante	Guasto a uno o più dischi rigidi
A	1234	_ Lampeggiante	Errore volume RAID SO
В	1234	Lampeggiante	Impossibile avviare il server X11
С	1234	Lampeggiante	Impossibile avviare l'applicazione
D	1234	_ Lampeggiante	Riservato per un utilizzo futuro
Е	1234	_ Lampeggiante	Riservato per un utilizzo futuro
F	1 2 3 4	Lampeggiante	Errore volume di dati RAID

■ indica che il LED DI STATO o il LED DI ERRORE è acceso.

Codici di errore visualizzati durante il funzionamento

(Se durante il funzionamento si verifica un errore, il LED di errore si accende.)

Codice errore	LED di stato	LED di errore	Possibile causa
1	1234	Acceso	Problema di temperatura interna del dispositivo
2	1234	Acceso	Guasto alla ventola della CPU
3	1234	Acceso	Guasto alla ventola dell'alimentazione
4	1234	Acceso	Mancanza di tensione di alimentazione
5	1234	Acceso	Guasto alla ventola 1 del disco rigido
6	1234	Acceso	Guasto alla ventola 2 del disco rigido
7	1234	Acceso	L'unità disco rigido è danneggiata.
8	1234	Acceso	Riservato per un utilizzo futuro
9	1234	Acceso	Riservato per un utilizzo futuro
A	1234	Acceso	Riservato per un utilizzo futuro
В	1234	Acceso	Errore del sistema operativo
С	1234	Acceso	Malfunzionamento dell'applicazione
D	1234	Acceso	La spia [ERROR] nella schermata principale è accesa
Е	1234	Acceso	Errore volume dati RAID
F	1 2 3 4	Acceso	Il volume dati RAID è in fase di ricostruzione

Porta di I/O

Assegnazione dei pin della porta di I/O

Sensor In

N. pin	SENSOR IN
1	3.3 v
2	IN_8 -
3	IN_8 +
4	IN_7 -
5	IN_7 +
6	IN_6 -
7	IN_6 +
8	IN_5 -
9	IN_5 +
10	IN_4 -
11	IN_4 +
12	IN_3 -
13	IN_3 +
14	IN_2 -
15	IN_2 +
16	IN_1 -
17	IN_1 +
18	GND

Alarm Out

N. pin	Alarm Out
1	GND
2	OUT_8 -
3	OUT_8 +
4	OUT_7 -
5	OUT_7 +
6	OUT_6 -
7	OUT_6 +
8	OUT_5 -
9	OUT_5 +
10	OUT_4 -
11	OUT_4 +
12	OUT_3 -
13	OUT_3 +
14	OUT_2 -
15	OUT_2 +
16	OUT_1 -
17	OUT_1 +
18	3.3 v

RS-422/485

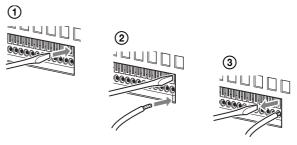
N. pin	RS-422	RS-485
19	TX-	TX-
20	TX+	TX+
21	RX-	
22	RX+	

Utilizzo di una presa I/O

Inserire un piccolo cacciavite ad intaglio nella fessura superiore o inferiore del foro a cui si desidera collegare un filo (n. AWG da 28 a 18). Tenere premuto il cacciavite e inserire il filo, quindi rilasciare il cacciavite.

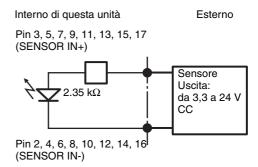
Avvertenza

Quando si inserisce il cacciavite nella fessura, non applicare una forza eccessiva per evitare il danneggiamento.



Ripetere questa procedura per collegare tutti i cavi necessari.

Schema di connessione 1 per l'ingresso del sensore



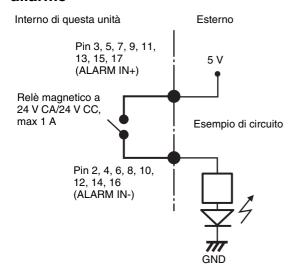
Schema di connessione 2 per l'ingresso del sensore

Interno di questa unità Esterno Pin 1 (VDD) (max 200 mA) Pin 3, 5, 7, 9, 11, 13, 15, 17 (SENSOR IN+) Filo $2.35 k\Omega$ Interruttore meccanico Pin 2, 4, 6, 8, 10, 12, 14, 16 (SENSOR IN-) Pin 18 (GND) Uscita a collettore aperto GND

Nota

Quando si utilizza lo schema di connessione 2, l'NSR non è isolato elettricamente; occorre quindi costruire circuiti esterni che non producano rumore, eccessi di tensione o sovracorrenti.

Schema di connessione per uscita allarme



Ricerca ed eliminazione dei problemi

Prima di contattare il proprio rivenditore o un centro di assistenza Sony, leggere quanto riportato di seguito. Se il problema persiste, contattarli.

La NSR non funziona.

- Verificare che l'interruttore di alimentazione sia acceso.
- Verificare che il cavo di alimentazione sia collegato correttamente.

- Assicurarsi che la presa a muro sia alimentata, collegando un altro apparecchio.
- Verificare che non sia in corso nessun accesso ai dischi rigidi (i LED del disco rigido sul lato anteriore del registratore non lampeggiano) e forzare lo spegnimento tenendo premuto l'interruttore di alimentazione sul lato posteriore dell'apparecchio per circa 10 secondi. Riavviare l'unità NSR.
- Durante la procedura di avvio, l'unità NSR verifica il file system. La durata di questo controllo dipende dalla quantità di dati presenti sull'unità NSR (in casi estremi, può durare anche due ore). Durante la verifica del file system i LED disco rigido sul lato anteriore del registratore lampeggiano.
- Se l'unità NSR non si avvia correttamente, può apparire la seguente schermata.
 - 1. HDD Restore
 2. DOM Restore
 3. Software Restore
 4. Reset Monitor Setting
 5. Initialize (Factory Use)
 6. Reboot the system
 7. Shutdown the system
 Enter your choice:

In tal caso procedere nel modo seguente.

- 1. Selezionare "7. Shutdown the system" e premere il tasto Enter.
- Facendo riferimento all'errore "Impossibile accedere al disco rigido", verificare che i dischi rigidi dell'unità NSR siano collegati correttamente.
- 3. Riavviare l'unità NSR e verificare se si avvia regolarmente.

Il monitor non visualizza nessuna immagine.

- Verificare che l'unità NSR sia accesa.
- Verificare che il cavo di alimentazione sia collegato correttamente.
- Verificare che il cavo del monitor sia collegato correttamente. Verificare che il monitor sia collegato al connettore monitor 1.
- Se si configura una risoluzione troppo elevata per la risoluzione del monitor, potrebbe essere visualizzato il messaggio "Fuori campo" quando la risoluzione del monitor è troppo ridotta rispetto all'output del monitor. In tal caso, premere ripetutamente CTRL+ALT+SEGNO DI MENO per ridurre la risoluzione dell'uscita video. Quando la risoluzione dell'uscita video raggiunge un valore compatibile con il monitor, viene visualizzata l'immagine video. A questo punto riconfigurare la risoluzione del monitor. Per ulteriori informazioni fare riferimento alla Guida dell'utente (PDF).

Il monitor collegato al connettore HDMI non viene visualizzato correttamente.

- Se si commuta l'ingresso per il monitor HDMI o si ricollega il cavo, in alcuni casi è possibile che le immagini non vengano visualizzate correttamente. In tali casi, tentare la procedura descritta di seguito.
 - 1. Commutare l'ingresso per il monitor.
 - 2. Riavviare il monitor.

Nota

Se il problema persiste dopo aver effettuato quanto descritto sopra, scollegare il cavo HDMI e proseguire il funzionamento con il monitor RGB analogico. Quando è opportuno arrestare il funzionamento, riavviare l'unità e tentare di ricollegare il monitor HDMI.

Il nuovo hardware esterno non funziona correttamente.

• Verificare che i cavi della nuova periferica esterna siano ben collegati e che i piedini non siano piegati.

Una periferica esterna collegata a un connettore USB non funziona.

- Quando si collega una periferica USB all'unità, potrebbe accendersi la spia [ERROR] in basso a destra nella schermata "Principale". Procedere come descritto di seguito per verificare se l'unità supporta il dispositivo USB.
 - 1. Poi fare clic sulla spia [ERROR]. Si apre il registro di sistema.
 - Verificare se viene visualizzato l'errore "Unsupported USB device" nel registro di sistema.
 - Se viene visualizzato "Unsupported USB device", l'unità non supporta i dispositivi USB.
- Questa unità supporta le periferiche di archiviazione di massa USB 2.0 standard. A seconda del tipo di dispositivo di memorizzazione di massa USB 2.0, tuttavia possono verificarsi errori durante la scrittura dei dati sulla periferica. Se si verificano errori durante la scrittura dei dati, utilizzare un dispositivo di memorizzazione USB di tipo diverso.
- Per garantire un funzionamento corretto dei dispositivi USB, non collegare le periferiche mediante un hub USB. Collegare i dispositivi direttamente ai connettori USB sull'apparecchio. Il corretto funzionamento non può essere garantito se la connessione dei dispositivi è realizzata tramite un hub USB, uno switch hub oppure un cavo di prolunga.
- Fare riferimento alla documentazione fornita con il dispositivo USB.

Il sistema non riesce a leggere i dati sul disco DVD o CD.

- Assicurarsi che sia utilizzato un disco di tipo compatibile.
- Assicurarsi che il disco DVD o CD sia inserito correttamente nell'unità.
- Verificare che il DVD o CD sia pulito e non sia graffiato.

Impossibile aprire il vassoio DVD/CD.

- Verificare che l'unità NSR sia accesa.
- Inserire lentamente la punta di una penna o di un fermaglio metallico nel foro di espulsione dell'unità CD/DVD. Estrarre il vassoio e rimuovere il disco.

II LED di rete non si accende.

 Verificare che il collegamento dei cavi e dell'apparecchiatura di rete sia corretto.

Impossibile accedere al disco rigido.

- Verificare che il disco rigido sia inserito correttamente.
- Controllare i LED del disco rigido sul pannello anteriore del sistema. Individuare il disco rigido difettoso osservando i LED dell'unità. Il LED di un disco rigido difettoso si illumina con luce di colore ambra.
- In caso di accesso frequente al disco rigido, il LED corrispondente può lampeggiare molto rapidamente e sembrare spento in ambienti luminosi.

Impossibile accedere all'unità NSR da un client remoto.

- Accertarsi che l'unità NSR funzioni correttamente e non siano presenti anomalie relative a dischi rigidi, rete, software o altro.
- Accertarsi che le impostazioni del server centrale dell'unità siano corrette.
- Accertarsi che le impostazioni del client remoto e dell'interfaccia di rete per l'unità siano corrette.
- Verificare che in RealShot Manager Advanced siano stati impostati correttamente nome utente, password e porta di connessione (nome host o indirizzo IP e numero di porta).
- Fare riferimento alla sezione Risoluzione dei problemi della Guida utente di RealShot Manager Advanced.

L'unità NSR si surriscalda rapidamente

• Verificare che le aperture di ventilazione sul fronte, sui lati e sul retro dell'apparecchio non siano ostruite e che non si sia accumulata polvere in tali aperture.

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That's all there is to it!

Caratteristiche tecniche

NSR-1200/1100/1050H

Processore

CPU NSR-1200: Quad Core Xeon

NSR-1100: Dual Core Xeon NSR-1050H: Dual Core Xeon

Memoria

Memoria flash di bordo

4 GB

Memoria interna NSR-1200:2 GB

NSR-1100:1 GB NSR-1050H:1 GB

Dispositivi di registrazione

Disco rigido interno

Unità DVD/CD (anteriore)

1 unità

Dischi compatibili: DVD+R, DVD-

R,

DVD-ROM, CD-R, CD-RW,

CD-ROM

Connettori esterni

Anteriore Uscita monitor:

Analogica RGB (mini D-SUB a

15 piedini) (1) USB: USB 2.0 (3)

Posteriore Uscita monitor:

Analogica RGB (mini D-SUB a

15 piedini) (2) HDMI (2) Uscita audio (S) (1) Uscita audio (D) (1)

Ingresso audio (1) LAN (1000Base-T/100Base-TX/

10Base-T) (RJ-45) (4)

USB: USB 2.0 (3)

Uscita mini-SAS (per il

collegamento di NSRE-S200 opzionale, mini-SAS x4 (SFF-

8088), 3,0 Gbit/s) (1)

Ingresso sensore (compatibile con periferiche da 3,3 V a 24 V CC, ingresso fotoaccoppiatore, isolato da unità principale) (8)

Uscita allarme (max. 24 V CC, 1 A, uscita relè meccanico, isolato da

unità principale) (8) UPS seriale: RS-232C (1)

Gestione di telecamere analogiche (solo con l'unità NSR-1050H o

l'espansione NSBK-A16/

A16H):

RS-232C (1) RS-422/485 (1)

Condizioni di funzionamento

Temperatura di esercizio

da 5 °C a 40 °C (da 41 °F a 104 °F)

Umidità di esercizio

da 20% a 80% (massima

temperatura bulbo umido: 30 °C,

senza condensazione)

Gamma di temperature di deposito

 $-20 \text{ a} +60 ^{\circ}\text{C} (-4 \text{ a} +140 ^{\circ}\text{F})$

Gamma di umidità di deposito

20 a 90% di umidità relativa (massima temperatura

psicrometro 35 °C/+95 °F, senza

condensa)

Alimentazione e varie

Alimentazione

Massa

da 100 a 127 V CA/da 200 a 240 V

CA (50/60 Hz)

Consumo di corrente

Max. 350 W

Dimensioni $430 \times 87 \times 417 \text{ mm} (16.9 \times 3.4 \times 417 \text{ mm})$

16.4 in.)

(L/A/P, escluse le sporgenze) NSR-1200: circa 13,5 kg (29,8

libbre)

NSR-1100: circa 12 kg (26,7 libbre) NSR-1050H: circa 11,5 kg (25,4

libbre)

Accessori opzionali

NSR-RM1 Kit di montaggio su rack RM-NS1000 Controller di sistema NSBK-A16/A16H Kit encoder analogico NSRE-S200 Unità di memoria di espansione

Aspetto e specifiche tecniche soggetti a cambiamenti senza preavviso.

Note

- Eseguire sempre una registrazione di prova, e verificare che il contenuto sia stato registrato correttamente.

 LA SONY NON SARÀ RESPONSABILE DI DANNI DI QUALSIASI TIPO, COMPRESI, MA SENZA LIMITAZIONE A, RISARCIMENTI O RIMBORSI A CAUSA DI GUASTI DI QUESTO APPARECCHIO O DEI SUOI SUPPORTI DI REGISTRAZIONE, SISTEMI DI MEMORIZZAZIONE ESTERNA O QUALSIASI ALTRO SUPPORTO O SISTEMA DI MEMORIZZAZIONE PER REGISTRARE CONTENUTI DI QUALSIASI TIPO.
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- Para consultar todos los términos y condiciones de la garantía de la grabadora, consulte la tarjeta de garantía que se adjunta en el paquete.
- El software suministrado con la grabadora no puede utilizarse con otras grabadoras
- No se puede instalar ningún software en el equipo que no sea el software específico suministrado por Sony para utilizar con este equipo.
- Tenga en cuenta que las especificaciones de la grabadora y del software suministrado están sujetas a cambios para introducir mejoras sin previo aviso
- La grabadora utiliza el algoritmo MD5 de alta seguridad para guardar las contraseñas.

Renuncia de responsabilidad por el contenido de las grabaciones

Sony Corporation no aceptará en ningún caso responsabilidad alguna por problemas que surjan a partir de errores en la grabación, por daños o por el borrado de grabaciones con el equipo. Esto incluye reclamaciones de indemnización por grabaciones y por daños concomitantes o resultantes. Sony Corporation no reparará, restituirá ni copiará ningún material grabado. El uso de este producto está sujeto a estas condiciones.

Antes de leer este manual

Asegúrese de leer el suplemento "Normativa de seguridad".

Precauciones de uso

Información importante de seguridad

- Asegúrese de conectar la unidad a una fuente de alimentación completamente compatible con las especificaciones eléctricas de la unidad.
- Utilice solamente el cable de alimentación suministrado. No enrolle el cable de alimentación ni lo sujete con otros cables. No realice conexiones a enchufes con tomas delanteras y traseras. Si se exceden los valores nominales actuales, existe el riesgo de incendio u otros accidentes.
- Asegúrese de que todas las tomas de corriente de ca y los cables de alimentación estén bien conectados a tierra.
- No utilice la unidad con la cubierta o la caja abierta o extraída. De lo contrario, existe el riesgo de incendio o descarga eléctrica. No intente abrir o extraer la cubierta o caja usted mismo. Consulte siempre con su proveedor si debe abrirla.

Información importante de instalación

Ubicaciones de uso/almacenamiento

Para prolongar la vida del producto, no lo utilice ni lo guarde en las siguientes ubicaciones:

- Lugares que pueden calentarse o enfriarse mucho. (Sigo las especificaciones de este dispositivo y por favor lo uso.)
- Lugares expuestos a la luz directa del sol durante tiempo prolongado o cerca de aparatos de calefacción. (Tenga en cuenta que la temperatura en un vehículo cerrado en verano puede exceder los +50 °C/+122 °F.)
- Lugares con mucha humedad o polvo
- Lugares sujetos a fuertes vibraciones
- Lugares sometidos a fuertes campos magnéticos
- Lugares cercanos a transmisores de radio o televisión que crean un fuerte campo magnético

No bloquee las aberturas de ventilación

- Las aberturas de ventilación que se encuentran a los lados de la unidad sirven para evitar el calentamiento interno. Deje siempre un espacio de al menos 10 cm en ambos lados y en la parte posterior y superior de la unidad.
- No utilice la unidad en una caja u otro receptáculo cerrado.

- Asegúrese de que no hay cables ni otros objetos cerca de la abertura de ventilación en la parte posterior de la unidad. Si la abertura se bloquea, puede producirse un calentamiento interno y provocar un incendio o daños en el equipo.
- Asimismo, si la unidad está instalada en un bastidor, debe comprobar que la abertura de ventilación de la parte posterior y las aberturas de ventilación de la parte frontal no estén bloqueadas por cables u otros objetos. No instale la unidad en un entorno en el que no puedan cumplirse los requisitos anteriores.

Utilice la unidad en posición horizontal

- La unidad está diseñada para utilizarse en posición horizontal.
- No instale la unidad sobre una superficie inclinada y protéjala de los golpes.
- Si la unidad se cae o es sometida a golpes fuertes, pueden producirse daños muy graves en la misma.
- Si instala la unidad en un bastidor, asegúrese de mantenerla en posición horizontal. Si la unidad no está bien nivelada, puede producirse un fallo de funcionamiento. Asimismo, se recomienda sujetar firmemente el bastidor en una pared o similar para que no pueda volcar.

Mantenimiento

- Antes de limpiar la unidad o realizar cualquier tipo de mantenimiento, asegúrese de desconectar el cable de alimentación de la toma de corriente de ca.
- Limpie la caja y los paneles con un paño seco. Para eliminar manchas persistentes, humedezca el paño con un detergente suave, neutro y pase después un paño seco.
- No utilice alcohol, disolventes, bencina, insecticidas ni ninguna sustancia volátil, ya que podrían dañar el acabado y causar decoloración.
- Es posible que se acumule polvo en las aberturas de ventilación de la parte frontal de la unidad. Cuando limpie la unidad, asegúrese de no exponerla a golpes ni vibraciones.

Transporte

Utilice el material de embalaje original o similar para proteger la unidad de golpes.

Precauciones para productos con discos duros incorporados

Esta unidad tiene un disco duro incorporado (HDD). El disco duro es un dispositivo de precisión. Si somete la unidad a golpes, vibraciones, electricidad estática o temperaturas y humedad elevadas, podría perder datos. Tenga en cuenta las siguientes precauciones cuando instale o utilice la unidad.

Protección frente a golpes y vibraciones

Si somete la unidad a golpes o vibraciones, el disco duro podría resultar dañado y ocasionar la pérdida de datos.

- Utilice el material de embalaje especificado cuando transporte la unidad. Cuando la transporte en una carretilla o similar, utilice una que no transmita excesivas vibraciones. Un exceso de golpes o vibraciones puede dañar el disco duro.
- No mueva nunca la unidad mientras esté conectada.
 Asimismo, antes de extraer o insertar la unidad en un bastidor, asegúrese de que la alimentación está desconectada.
- Proteja de golpes todos los dispositivos del bastidor equipados con disco duro.
- Antes de extraer o insertar la unidad en un bastidor, asegúrese de que la alimentación de todos los dispositivos equipados con disco duro de la unidad también está apagada.
- No extraiga los paneles o las partes exteriores de la unidad.
- Cuando instale la unidad en el suelo o en otra superficie, asegúrese de que está equipada con la base especificada y colóquela con cuidado. Si no tiene una base, monte primero la base especificada. No coloque la unidad cerca de otros dispositivos que puedan convertirse en fuente de vibraciones.

Espere 30 segundos después de apagar la alimentación

Durante un breve intervalo después de apagar la alimentación, los platos dentro del disco duro seguirán girando y los cabezales se encontrarán en una posición poco segura. Durante este intervalo, la unidad es más susceptible a golpes y vibraciones que durante el funcionamiento normal. Durante un período de al menos 30 segundos después de apagar la unidad, evite someterla incluso al mínimo golpe. Después de este período, el disco duro se detendrá completamente y podrá manipularse la unidad.

Precauciones relativas a la temperatura y a la humedad

Utilice y guarde la unidad solamente en lugares donde no se excedan los rangos especificados de temperatura y humedad. (Sigo las especificaciones de este dispositivo y por favor lo uso.)

Si el disco duro parece defectuoso

Incluso si el disco duro muestra signos de mal funcionamiento, asegúrese de tener en cuenta todas las precauciones anteriores. Esto evitará que se produzcan más daños hasta que se pueda diagnosticar el problema y corregirlo.

Sustitución del disco duro y de otros consumibles

El disco duro, el ventilador y la batería de la unidad son consumibles que necesitan ser sustituidos

periódicamente. Si utiliza la unidad a temperatura ambiente, el ciclo de sustitución normal será de dos a tres años. Sin embargo, esto representa solo una directriz general y no constituye ninguna garantía de su vida útil. Para obtener más información acerca de la sustitución de componentes, póngase en contacto con el distribuidor.

Precauciones en la utilización de dispositivos USB

- Esta unidad admite dispositivos de almacenamiento masivo estándar USB 2.0. Sin embargo, en función del tipo de dispositivo de almacenamiento masivo USB 2.0, es posible que se produzcan errores al escribir datos en el dispositivo. Si se producen errores durante la escritura de datos, utilice un dispositivo de memoria USB de tipo diferente.
- Para garantizar un funcionamiento adecuado de los dispositivos USB, no los conecte a través de un concentrador USB. Conecte los dispositivos directamente a los conectores USB de la unidad. El funcionamiento no se garantiza si se conectan dispositivos a través de un concentrador USB, un selector USB o un cable prolongador.

Descripción general

La serie NSR es un servidor de vigilancia de red para cámaras de red. La serie NSR permite supervisar y grabar imágenes JPEG, MPEG-4 y H.264 desde cámaras de red a través de la red. También permite reproducir las imágenes grabadas y realizar búsquedas, lo cual convierte a la unidad NSR en un sistema de supervisión realmente versátil.

Control de cámaras compatibles desde ubicaciones remotas

Es posible llevar a cabo operaciones de rotación, inclinación y zoom con cámaras compatibles.

Compatibilidad con cámaras analógicas

Es posible supervisar y grabar imágenes desde cámaras analógicas conectándolas directamente a la unidad¹⁾.

 La NSR-1200/1100 necesita una extensión NSBK-A16/ A16H (opcional), mientras la NSR-1050H dispone de una NSBK-A16 incorporada.

Los discos duros de gran capacidad permiten efectuar grabaciones de períodos de tiempo prolongados

Equipada con discos duros de gran capacidad, la unidad es capaz de grabar imágenes de alta calidad durante períodos de tiempo prolongados. Para obtener ejemplos de referencia, consulte "Datos de referencia para la instalación" (página 256).

Tipo fino (2U), modelo de montaje en estantería de 50 cm. que permite ahorrar espacio

Con el kit de montaje de estanterías opcional (se vende por separado), es posible instalar la grabadora en una estantería EIA estándar de 50 cm (medida universal).

Grabación de alta resolución de hasta 480 fps (VGA, JPEG)

La NSR-1200 admite hasta 64 cámaras, la NSR-1100 hasta 32 y la NSR-1050H hasta 20. La NSR-1200 graba imágenes a una velocidad de fotogramas total de 480 fps¹⁾ (240 fps con la NSR-1100, 120 fps con la NSR-1050H) en resolución VGA (640 × 480 píxeles)²⁾ y en formato de imagen JPEG (1 fotograma equivale aproximadamente a 31 KB) para obtener una calidad de imagen nítida.

- Velocidad de fotogramas máxima cuando se encuentran 16 cámaras conectadas a la grabadora. Cada cámara dispone de una velocidad de fotogramas de aproximadamente 30 fps. Es posible que esta velocidad de fotogramas sea inferior debido a la fragmentación de los discos duros internos. Los valores están basados en mediciones efectuadas por Sony. Estos valores no están garantizados, debido a que es posible que el rendimiento cambie según al entorno operativo del usuario.
- Con resolución QuadVGA (1.280 × 960), la velocidad de fotogramas es de 1/4 la de la resolución VGA.

Alta fiabilidad

La NSR-1200 admite RAID 5¹⁾ y presenta un funcionamiento altamente fiable. El sistema puede continuar funcionando aunque uno de los discos duros presente un fallo de funcionamiento. Las unidades NSR también admiten suministros de alimentación ininterrumpidos (UPS), lo que las convierte en sistemas extremadamente fiables.

1) RAID 5 es un sistema que permite dividir y almacenar datos y paridad (códigos de corrección de errores) en más de una unidad de disco duro. Aunque este sistema permite el funcionamiento continuado, en caso de que se produzca un fallo de funcionamiento en uno de los discos duros, no se garantiza el restablecimiento de los datos perdidos. Además, debido a las altas cargas de procesamiento internas presentes durante la reconstrucción después de sustituir el disco duro averiado, es posible que la unidad no sea capaz de grabar imágenes a la velocidad de grabación configurada mientras se está llevando a cabo la reconstrucción.

Otras características

- El soporte de diseño personalizado le permite visualizar imágenes con diferentes diseños además de los estándares 2 x 2 y 3 x 3.
- Es posible realizar, entre otras, grabaciones manuales, programadas y de alarma con la NSR.
- La NSR está equipada con una función de detección de actividad a través de la grabadora¹⁾ (Video Motion Detection (grabadora)).
- Realice búsquedas de las imágenes grabadas por nombre de cámara, fecha, alarma y demás opciones.
- Cree zonas de privacidad mediante las funciones de creación de máscaras dinámicas²⁾ de la NSR. La creación de máscaras dinámicas incluye el giro, la inclinación y el zoom.
- El procesamiento preciso de la alarma es posible mediante la realización de varios tipos de filtro³⁾ y la utilización de los resultados del procesamiento de la imagen enviados desde la cámara en forma de metadatos de información de objetos. Debido a que el filtro puede aplicarse a los metadatos que ya han sido grabados, también es posible buscar áreas de interés una vez finalizada la grabación.
- Asimismo, se admite la grabación y la reproducción de audio⁴⁾ desde cámaras compatibles
- 1) Algunas funciones están limitadas en función del número de cámaras que haya conectadas.
- Algunas funciones están limitadas en función de qué modelos de cámara estén conectados.
- 3) Para llevar a cabo la detección de movimiento y la detección de objetos mediante metadatos, se necesita una cámara compatible con la detección de movimiento mediante metadatos. No es recomendable el uso de metadatos con más de 32 cámaras.
- Es necesario disponer de amplificadores de sonido o altavoces opcionales.

Importante

En este manual únicamente se describe cómo instalar y configurar la NSR. Si desea obtener explicaciones detalladas acerca de cómo utilizar la unidad, consulte la Guía del usuario (PDF).

Requisitos del sistema

El hardware necesario para utilizar esta grabadora es el siguiente.

- Cámaras de red Sony
 - Póngase en contacto con su distribuidor para obtener más información acerca de cámaras de red Sony compatibles.
- Monitor¹⁾
- Teclado USB²⁾
- Ratón USB³⁾
- Controlador remoto USB⁴⁾
- Interruptor de red
- Cable 1000Base-T/100Base-TX/10Base-T
- Dispositivo de memoria USB⁵⁾
- Esta unidad admite dispositivos compatibles con HDMI y monitores de ordenador que admiten la entrada RGB. Es posible especificar las siguientes resoluciones.
 - Alta definición completa (1.920 × 1.080)
 - WUXGA (1.920×1.200)
 - XGA Full Wide (1.360×768)
 - UXGA (1.600×1.200)
 - SXGA (1.280×1.024)
 - XGA (1.024×768)
- 2) Utilice un teclado USB con cable. Sin embargo, es posible que no funcionen las teclas distintas de las estándar. Es posible asimismo que los teclados USB inalámbricos o infrarrojos no funcionen correctamente.
- 3) Utilice un ratón USB con cable. Sin embargo, es posible que los ratones con tres botones o con rueda no funcionen correctamente. Es posible asimismo que los ratones USB inalámbricos o infrarrojos no funcionen correctamente.
- Es posible utilizar un mando a distancia para controlar las operaciones de rotación, inclinación y zoom de las cámaras
 - Esta unidad es compatible con los controlador del sistema RM-NS1000 y controladores USB de escritorio IP de productos CH. El resto de mandos a distancia no son compatibles. No conecte más de un mando a distancia.
- 5) Aspectos necesarios para realizar copias de seguridad de información del sistema como, por ejemplo, de registros.
 - Esta unidad admite dispositivos de almacenamiento masivo estándar USB 2.0. Sin embargo, en función del tipo de dispositivo de almacenamiento masivo USB 2.0, es posible que se produzcan errores al escribir datos en el dispositivo. Si se producen errores durante la escritura de datos, utilice un dispositivo de memoria USB de tipo diferente.

Contenido del paquete

Compruebe que los siguientes elementos se incluyen en el paquete:

NSR-1200/1100

- NSR-1200/1100 (1)
- Tecla del panel frontal (2)
- Manual de instalación (este documento) (1)
- Guía de inicio (1)
- Guía de funcionamiento de la ventana de supervisión
 (1)
- Normativa de seguridad (1)
- Folleto de WEEE (1)
- Folleto de garantía (1)
- Patas de goma (4)

NSR-1050H

- NSR-1050H (1)
- Tecla del panel frontal (2)
- Cable de entrada de cámara analógica (1)
- Manual de instalación (este documento) (1)
- Guía de inicio (1)
- Guía de funcionamiento de la ventana de supervisión
 (1)
- Normativa de seguridad (1)
- Folleto de WEEE (1)
- Folleto de garantía (1)
- Patas de goma (4)

Notas

- Es posible que este paquete contenga hardware o documentación adicional para estas opciones.
- Guarde las cajas y el material de embalaje para utilizarlos en el futuro.
- El kit de montaje del bastidor (NSR-RM1) y el controlador del sistema (RM-NS1000) son opcional (a la venta por separado).

Descarga de archivos almacenados en la NSR

Los documentos como los manuales de instrucciones y las herramientas se almacenan en la unidad NSR. Lleve a cabo lo siguiente para descargar archivos que se encuentren almacenados en la unidad NSR.

- 1 Utilice un cliente FTP como Internet Explorer para especificar la siguiente URL en el ordenador. ftp://ftptool@<Dirección IP de NSR>
- 2 Introduzca el nombre de usuario y la contraseña siguientes.

Nombre de usuario:ftptool Contraseña: ftptool

Nota

Para cambiar el nombre de usuario y la contraseña, cambie la configuración de [Enable user to Get Tools from Remote] en "FTP" del menú de configuración. Asimismo, si cambia el nombre de usuario, también podrá cambiar la siguiente dirección "ftp://" en la URL especificada a la nueva "nombre de usuario@<dirección IP de NSR>."

En el cliente FTP aparecen las siguientes carpetas y archivos.

3 Haga clic en las carpetas que contengan los archivos que desee.

Carpeta

Manual: contiene manuales de instrucciones

(PDF).

SourceCode: Contiene código fuente GPL/LGPL

y otros datos del mismo tipo.

Tool: contiene las aplicaciones RealShot

Manager Advanced y Media File

Player.

File

README.txt: contiene información acerca de

cada carpeta.

Se visualizan los archivos contenidos en cada carpeta.

4 Haga clic en los archivos que desee para descargarlos.

Utilización del manual PDF

La NSR almacena manuales de instrucciones y otros documentos (versiones en japonés, inglés, francés, alemán, italiano, español, chino simplificado y ruso). Las copias de estos manuales están disponibles en formato pdf (Portable Document Format).

Preparativos

Es necesario disponer del siguiente software instalado en el ordenador para poder utilizar los manuales de instrucciones almacenados en la NSR.

• Adobe Reader versión 6.0 o superior

Nota

Si no dispone de Adobe Reader instalado, es posible descargarlo de la siguiente URL: http://www.adobe.com/

Adobe y Adobe Reader son marcas comerciales de Adobe Systems Incorporated en Estados Unidos y otros países.

Visualización de manuales PDF

- 1 Consulte la sección "Descarga de archivos almacenados en la NSR", y descargue el manual correspondiente a su idioma de la carpeta "Manual" de la NSR.
- **2** Haga doble clic en el archivo descargado.

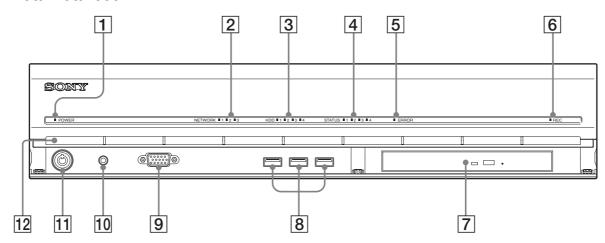
Nota

En función de la versión de Adobe Reader que utilice, es posible que el archivo no se visualice correctamente. Si el archivo no se visualiza correctamente, descargue la versión más reciente de Adobe Reader de la URL facilitada en la sección "Preparativos".

Características y funciones

Parte frontal (Con el una tapa abierto)

NSR-1200/1100/1050H



1 LED de alimentación

Se ilumina en verde una vez iniciada la unidad. Se ilumina en color ámbar cuando se encuentra en modo de espera.

2 LED de red (entre 1 y 3)

Se ilumina en color verde cuando existe actividad en el conector LAN correspondiente situado en la parte posterior de la NSR.

3 LED del disco duro

Parpadea en color verde cuando se accede a los discos duros internos.

Se ilumina de color ámbar cuando se produce un error en un disco duro.

4 LED de estado (entre 1 y 4)

Se ilumina en secuencia (1, 2, 3, 4) al encenderse la NSR. Cuando se produce un error, se ilumina el LED de estado correspondiente junto con el LED de error, que se ilumina o parpadea para indicar el tipo de error. Para obtener más información, consulte.

5 LED de error

Se ilumina o parpadea cuando se produce un error.

6 LED REC

Se ilumina durante la grabación de imágenes.

7 Unidad de DVD/CD

Utilice esta unidad para escribir datos de los discos duros de la NSR en discos DVD y CD.

8 Conector USB

Utilice este conector para conectar un teclado, ratón o memoria flash USB o controlador del sistema (RM-NS1000) a la NSR.

9 Conector 1 para monitor

Utilice este conector para conectar un monitor. El conector 1 para monitor (y el conector 1 para monitor de la parte posterior de la unidad) y el conector 1 para monitor HDMI de la parte posterior de la unidad no pueden utilizarse al mismo tiempo.

10 Interruptor de alimentación

Púlselo para encender la unidad. (No es posible apagar la unidad mediante este interruptor).

11 Bloqueo

Utilícelo junto con la tecla del panel frontal suministrada para bloquear el bisel frontal. Si el bisel frontal se encuentra bloqueado, no es posible extraerlo. Asimismo, no bloquee el bisel frontal si se ha extraído. Para distinguir si el bisel se encuentra bloqueado o desbloqueado, mire el bloqueo del modo indicado a continuación.

El bisel frontal está bloqueado

El bisel frontal está desbloqueado





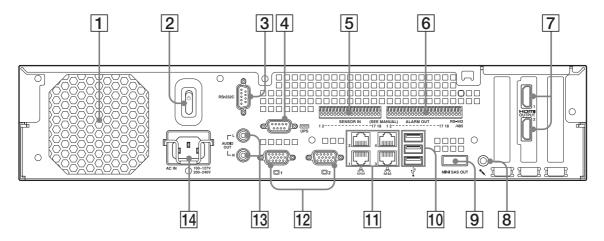
12 Orificios de ventilación

Estas aberturas permiten que el aire fluya desde la parte frontal hasta la parte posterior de la NSR.

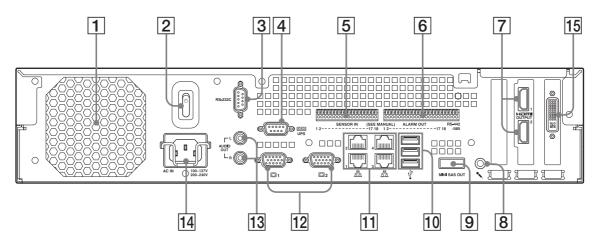
No bloquee los orificios de ventilación, no permita que se acumule polvo en la malla interior de los orificios de ventilación ni obstruya el flujo de aire de ningún modo. Obstruir el flujo de aire provoca que aumente la temperatura en el interior de la NSR y es posible que se produzcan incendios o daños.

Parte posterior

NSR-1200/1100



NSR-1050H



1 Ventilador

Tenga cuidado de no obstruir la rejilla del ventilador. Si la rejilla se encuentra obstruida, es posible que aumente la temperatura de la unidad, lo cual podría provocar daños o incendios.

2 Interruptor de alimentación

Coloque el interruptor en la posición (b) para encender la unidad.

3 Conector RS-232C

Utilice este conector para controlar cámaras analógicas. No es posible utilizar este conector al mismo tiempo que el conector RS-422/485 (los cuatro terminales situados más a la derecha en el conector de salida de la alarma 6).

4 Conector UPS (RS-232C)

Utilice este conector para conectar la línea de control del suministro de alimentación ininterrumpido (UPS).

5 Conector de entrada del sensor

Utilice este conector para conectar las líneas de entrada del sensor.

Para obtener más información acerca de la conexión y los diagramas de cableado de las entradas de sensor, consulte "Puerto de E/S" (página 278).

6 Conector de salida de la alarma

Utilice este conector para conectar las líneas de salida de la alarma.

Para obtener más información acerca de la conexión y del diagrama de cableado de la salida de alarma, consulte "Puerto de E/S" (página 278).

7 Conectores del monitor HDMI (1 y 2)

Utilice estos conectores para conectar monitores que admitan la entrada HDMI.

El conector 1 para monitor HDMI y el conector 1 para monitor 12 (y el conector 1 para monitor de la parte frontal de la unidad) no pueden utilizarse al mismo tiempo; asimismo, el conector 2 para monitor HDMI y el conector 2 para monitor 12 no pueden utilizarse al mismo tiempo.

8 Conector de entrada de audio

Utilice este conector para recibir sonido de dispositivos de audio periféricos, como micrófonos. La unidad es compatible con micrófonos de alimentación por enchufe.

9 Conector de salida mini-SAS

Utilice este conector para conectar el cable mini-SAS utilizado para conectar la NSRE-S200. La unidad NSRE-S200 es una unidad de almacenamiento de extensión opcional.

10 Conector USB

Utilice este conector para conectar un teclado, ratón o memoria flash USB o controlador del sistema (RM-NS1000) a la NSR.

[11] Conectores LAN (entre 1 y 4)

Utilice estos conectores para conectar cables de red 10 Base-T, 100 Base-TX o 1000 Base-T.

LAN1: cámaras de red¹⁾

LAN2: Cámaras de red¹⁾ (LAN2 únicamente puede utilizarse si se usa un segmento diferente de LAN1).

 Conecte los clientes remotos a la red especificada con el ajuste [Interfaz de red para el cliente remoto] (ya sea LAN1 o LAN2) en la pantalla Configuración del servidor. Para obtener más información, consulte la Guía del usuario (PDF).

LAN3: Utilizado para almacenamiento iSCSI²⁾ **LAN4:** Utilizado para almacenamiento iSCSI²⁾

 Si desea obtener más información acerca del uso del almacenamiento iSCSI, póngase en contacto con su distribuidor Sony.

Precaución

No configure los conectores LAN del 1 al 3 en el mismo segmento de red.

12 Conectores del monitor (1 y 2)

Utilice estos conectores para conectar un monitor. El conector 1 para monitor (y el conector 1 para monitor de la parte frontal de la unidad) y el conector 1 para monitor HDMI 7 no pueden utilizarse al mismo tiempo; asimismo, el conector 2 para monitor y el conector 2 para monitor HDMI 7 no pueden utilizarse al mismo tiempo.

[13] Conectores de salida de audio (L y R)

Utilice estos conectores para emitir sonido a un dispositivo de audio periférico.

[14] Conector de suministro de alimentación

Utilice este conector para conectar el cable de alimentación.

15 Conector de entrada de cable de cámara analógica

Utilice este conector para conectar cámaras analógicas mediante el cable de entrada de cámara analógica. La NSR-1050H está equipada de manera estándar con este conector, pero la NSR-1200/1100 necesita una extensión NSBK-A16/A16H (opcional).

Datos de referencia para la instalación

Consumo de corriente y corriente de entrada

Modelo	Voltaje de entrada de ca	Carga completa	Corriente de entrada
NSR-1200	100 V	2,66 A	
NSK-1200	220 V	1,14 A	
NSR-1100	100 V	1,84 A	
	220 V	0,79 A	— — 13 A
NSR-1050H	100 V	1,75 A	— 13 A
NSK-1030H	220 V	0,76 A	<u> </u>
NSRE-S200	100 V	0,79 A	
NSKE-3200	220 V	0,34 A	

Capacidad de almacenamiento de datos grabados

Puede confirmar las configuraciones y la capacidad de almacenamiento de la unidad de disco duro de los modelos NSR-1200/1100/1050H y de la extensión de almacenamiento opcional¹⁾ si pulsa en [Información] en la pantalla de inicio de sesión de la serie NSR-1000 y observa la pantalla Información que aparece. Asimismo, es posible confirmar la capacidad de almacenamiento real²⁾ con la que se pueden grabar datos en la ficha [Almacenamiento] de la pantalla Servidor.

- 1) Las capacidades de almacenamiento de las unidades de disco duro son aproximaciones basadas en la siguiente ecuación para 1 GB: 1.000 × 1.000 × 1.000 = 1.000.000.000 bytes
- 2) Las capacidades de almacenamiento son aproximaciones basadas en la siguiente ecuación para 1 GB: 1.024 × 1.024 × 1.024 = 1.073.740.000 bytes

Número de cámaras

Número máximo de cámaras

Modelo	Número máximo de cámaras
NSR-1200	64
NSR-1100	32
NSR-1050H	20

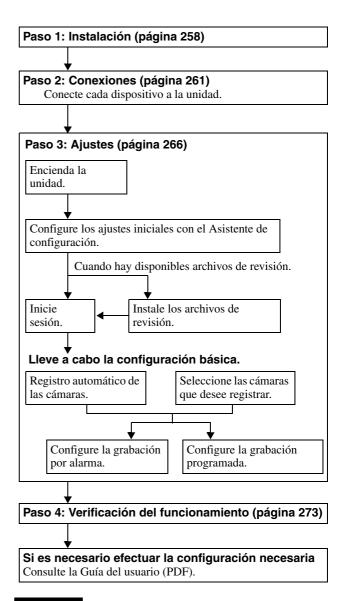
Número máximo de cámaras analógicas (incluido en el número total de cámaras)

Modelo	Número máximo de cámaras analógicas
NSR-1200	16 (con la unidad opcional NSBK-A16/A16H)
NSR-1100	16 (con la unidad opcional NSBK-A16/A16H)
NSR-1050H	16

Número máximo de canales de audio

Modelo	Número máximo de canales de audio
NSR-1200	64
NSR-1100	32
NSR-1050H	20

Pasos de preparación

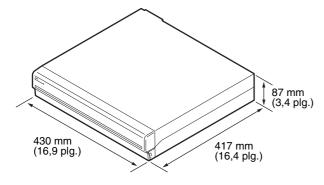


Precaución

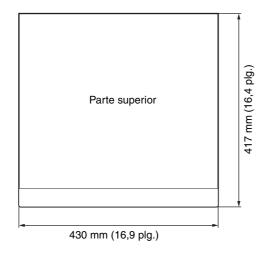
Sony distribuye los archivos de revisión mientras se añaden más cámaras y funciones compatibles con NSR. Póngase en contacto con su distribuidor Sony. Si desea obtener más información, consulte "Instalación de los archivos de parches" (página 274).

Paso 1: Instalación

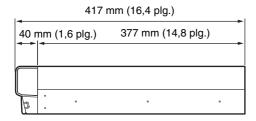
Antes de iniciar la configuración, compruebe que la ubicación donde se desea realizar la instalación dispone de espacio y robustez suficientes para albergar la unidad. La NSR-1200 pesa aproximadamente 13,5 kg (29,8 lb.), la NSR-1100 aproximadamente 12 kg (26,7 lb.), y la NSR-1050H aproximadamente 11,5 kg (25,4 lb.). Las dimensiones de la unidad son las siguientes.



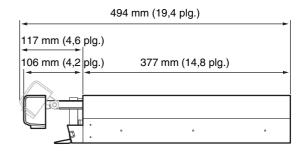
Parte superior

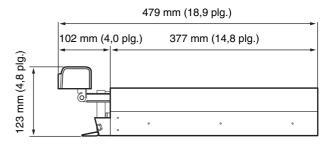


Con el bisel de la parte frontal cerrado



Con el bisel de la parte frontal abierto



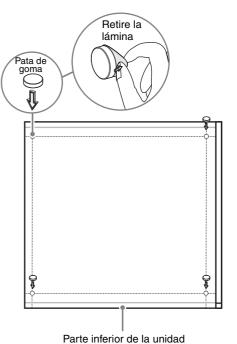


Es posible instalar la unidad en un bastidor mediante el kit de montaje del bastidor opcional.

Instalación sin estantería

Coloque las patas de goma suministradas con la grabadora.

Coloque la grabadora en posición vertical de modo que se pueda ver la parte inferior de la misma. Pegue las superficies adhesivas de las patas de goma en la parte inferior de la grabadora tal como se indica en la ilustración siguiente.



Instalación en bastidor

Instale la NSR en una estantería con el kit de montaje de estanterías opcional (se vende por separado).

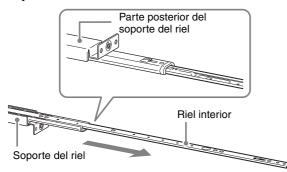
Advertencia

- No utilice un kit de montaje en bastidor que no sea el kit de montaje opcional (vendido por separado) para la NSR, ya que es peligroso y puede provocar un incendio, una descarga o daños personales.
- Si monta la NSR en un bastidor, asegúrese de no colocar objetos pesados sobre la misma.
- Antes de montar la NSR en un bastidor, se recomienda que marque la posición del bastidor en la que pretende colocarla con un rotulador de punta de fieltro. El montaje de la NSR en el bastidor en una posición que no sea la horizontal podría ocasionar fallos de funcionamiento.
- Para solicitar un kit de montaje de estanterías, póngase en contacto con su distribuidor.

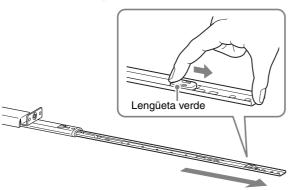
Extracción de los rieles interiores

Extraiga los rieles interiores del soporte.

1 Extraiga por completo el riel interior de uno de los soportes de rieles.



2 Dé la vuelta al soporte del riel. Extraiga el riel interior por completo a la vez que tira hacia fuera de la lengüeta verde para abrir el cierre.



3 Repita el procedimiento con el otro soporte de riel para extraer el correspondiente riel interior.

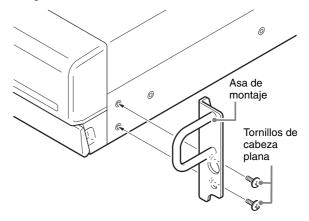
Nota

El riel interior se instalará en la NSR, mientras que soporte de riel se instalará en la estantería.

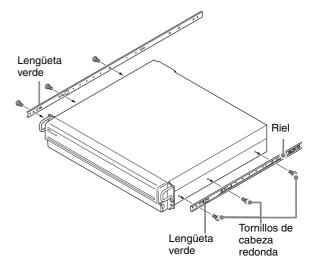
Preparación de la NSR

Utilice los pasadores y tornillos suministrados para instalar el riel interior en la NSR.

1 Utilice los tornillos de cabeza plana suministrados para colocar las asas de montaje en la parte frontal del panel lateral.



2 Utilice los tornillos de cabeza redonda restantes para instalar los rieles en la NSR, tal como se indica en la ilustración.



Precaución

Si utiliza otros tornillos que no sean los suministrados, puede dañar la unidad. Asegúrese de utilizar los tornillos suministrados para instalar los rieles.

Preparación de la estantería

Instale los rieles en la estantería.

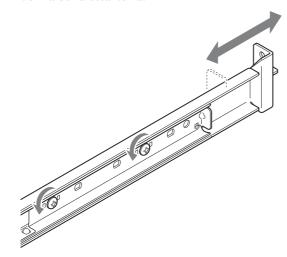
1 Decida donde desea instalar los rieles en la estantería.

Se recomienda marcar este punto con un rotulador.

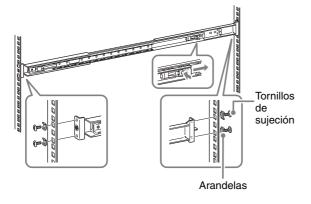
Precaución

Si se instalan los rieles a alturas diferentes, se pueden producir fallos de funcionamiento en la NSR.

- **2** Instale los rieles en la estantería.
 - (1) Ajuste la longitud de los rieles para que coincida con la de la estantería.



(2) Utilice los tornillos de sujeción y las arandelas suministrados para fijar ambos extremos de los rieles a la estantería.



Montaje de la NSR en la estantería

Inserte la NSR en la estantería y, a continuación, fíjela firmemente.

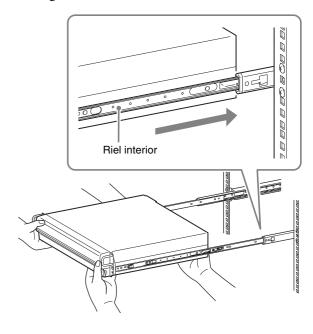
Precaución

Con el fin de evitar daños personales, se necesitan al menos dos personas para manipular la unidad.

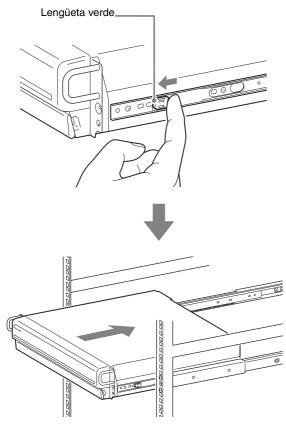
1 Tire de los rieles deslizantes de las estructuras de rieles.



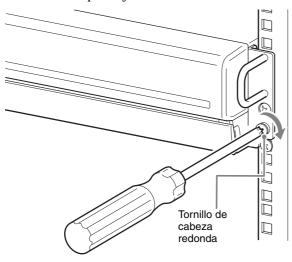
2 Levante la NSR, coloque los rieles interiores en las ranuras (blancas) de los rieles deslizantes y, a continuación, deslice el soporte hasta que se detenga.



3 Deslice la NSR hasta que se detenga a la vez que tira de la lengüeta verde hacia dentro para liberar el cierre.



4 Utilice los tornillos de cabeza redonda suministrados para fijar la NSR a la estantería.



Instalación de accesorios opcionales

Para obtener más información acerca de la instalación de NSRE-S200, consulte el Manual de instalación que se ata a NSRE-S200. Para obtener más información acerca de las extensiones NSBK-A16/A16H opcionales, póngase en contacto con el distribuidor Sony.

Paso 2: Conexiones

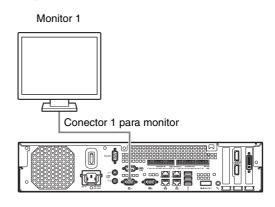
Conecte cada dispositivo a la unidad.

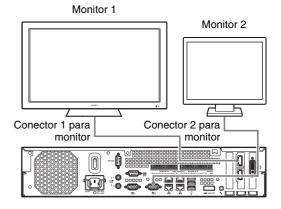
Conexión de un monitor

Si desea conectar un monitor, hágalo al conector 1 para monitor RGB o al conector 1 para monitor HDMI. Si desea conectar un segundo monitor, hágalo al conector 2 para monitor RGB o al conector 2 para monitor HDMI.

Para obtener más información, consulte "Ejemplos de conexión de monitores" (página 275).

Ejemplo) Si se establece la conexión con conectores de monitor posteriores





Recomendaciones de uso de los conectores durante el funcionamiento de la unidad

Monitor		Conectores a utilizar			
		Conector 1 para monitor HDMI	Conector 2 para monitor HDMI	Conector 1 para monitor RGB analógico	Conector 2 para monitor RGB analógico
Un monitor	Monitor HDMI	0	_	-	_
	Monitor RGB analógico	-	-	0	-
Dos monitores	Monitor HDMI × 2	0	0	-	-
	Monitor RGB analógico × 2	-	-	0	0
	Monitor HDMI y monitor	0	-	-	0
	RGB analógico	_	0	0	_

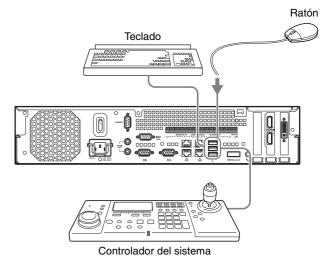
Notas

- Existen tres conectores de monitor con la marca "1" (2 RGB analógicos; 1 HDMI) y dos conectores de monitor con la marca "2" (1 RGB analógico; 1 HDMI), pero únicamente se puede utilizar uno de cada (1 y 2) por vez.
- No encienda la unidad mientras se encuentren conectados monitores al conector 1 para monitor RGB analógico en la parte frontal y posterior de la unidad.
- Si se utiliza la unidad únicamente con un monitor RGB analógico, no conecte el monitor al conector 1 para monitor RGB de la parte frontal de la unidad con la unidad encendida.
- Al conectar dos monitores RGB analógicos, no utilice los conectores para monitor HDMI.
- Cuando se utilicen monitores HDMI, asegúrese de conectar el monitor HDMI y encenderlo antes de encender la unidad.
- Cuando se conecta un monitor HDMI al conector 2 del monitor HDMI, las pantallas de reinicio y cierre solo se muestran en el monitor 2.
- No conecte ningún monitor al conector 1 para monitor HDMI cuando utilice un conector 1 para monitor RGB analógico de la parte frontal de la unidad.
- Cuando los monitores se conectan mediante un conmutador, es posible que las imágenes no siempre se muestren. Se recomienda conectar los monitores directamente a la unidad.

Conexión del teclado, el ratón y la unidad de controlador del sistema

Conecte los dispositivos a los conectores USB en las partes frontal y posterior de la unidad

Ejemplo) Conexión a los conectores USB de la parte posterior



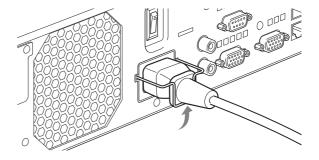
Notas

- Esta unidad es compatible con los controlador del sistema RM-NS1000 y controladores USB de escritorio IP de productos CH. El resto de mandos a distancia no son compatibles.
- Cuando se utilizan dispositivos USB, asegúrese de leer la sección "Precauciones en la utilización de dispositivos USB" (página 249) en la sección "Precauciones de uso" de antemano.

Conexión del cable de alimentación

Conecte el cable de alimentación al conector de suministro de alimentación.

Coloque la sujeción de seguridad para evitar que el cable de alimentación se desconecte.

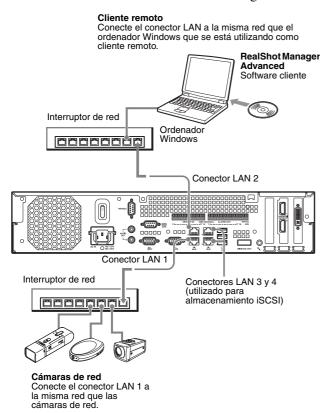


Precaución

 Lea las "Información importante de instalación" (página 248) antes de instalar la unidad. Si se utiliza la unidad en combinación con varias unidades NSR o una unidad NSRE-S200 opcional, asegúrese de que el suministro de alimentación sea suficiente. Para obtener más información acerca del consumo de corriente y de la corriente de entrada de la unidad NSR-1200/1100/1050H y la NSRE-S200, consulte la sección "Datos de referencia para la instalación" (página 256).

Conexión a una red

Establezca la conexión a la red del modo siguiente.



Conexiones a clientes remotos

Si se necesita un cliente remoto, es posible utilizar el software cliente RealShot Manager Advanced suministrado con esta unidad.

- Utilice la versión de RealShot Manager Advanced que se suministra con la unidad. Para obtener más información acerca de cómo descargar el instalador de RealShot Manager Advanced, consulte "Descarga de archivos almacenados en la NSR" (página 252). Para obtener más información acerca de la instalación y conexión a la NSR, consulte la Guía de instalación de RealShot Manager Advanced (PDF).
- El software cliente RealShot Manager Advanced funciona en ordenadores Windows. Para obtener más información acerca de las especificaciones del sistema recomendadas, consulte las notas de la versión incluidas en el archivo de instalación del software cliente RealShot Manager Advanced.
- Si utiliza RealShot Manager Advanced como mando a distancia de la NSR, seleccione [Cliente] durante la instalación de RealShot Manager Advanced.

- Para establecer la conexión con la red local del usuario, utilice el conector LAN 2.
- Para obtener más información acerca de los ajustes de la unidad NSR cuando se utiliza el software cliente RealShot Manager Advanced, consulte la sección "Configuraciones para la utilización del software cliente RealShot Manager Advanced" (página 272).

Conectores LAN 3 y 4 (utilizado para almacenamiento iSCSI)

Debido a que los conectores LAN 3 y 4 están vinculados a canales para obtener redundancia de red, únicamente es posible asignar una dirección IP a ambos conectores.

Precaución

No utilice el almacenamiento iSCSI junto con un NSRE-S200.

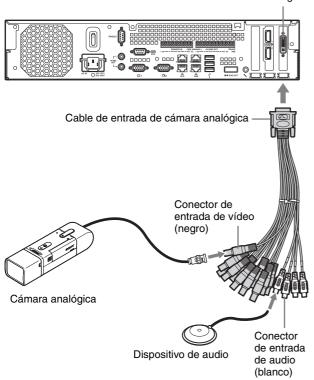
Notas

- Las direcciones IP predeterminadas de la unidad son las siguientes.
 - Conector LAN 1: 192.168.0.1
 - Conector LAN 2: 192.168.1.1
 - Conector LAN 3: 192.168.2.1
 - Conector LAN 4: 192.168.2.1
- Si desea cambiar las direcciones IP predeterminadas, consulte la Guía del usuario (PDF).

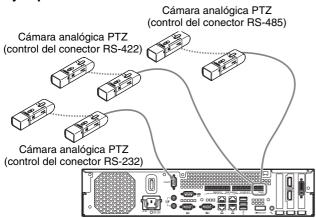
Conexión de una cámara analógica

Conecte la cámara analógica mediante el cable de entrada analógico de la cámara suministrado. Para controlar las operaciones de rotación, inclinación y zoom, conecte un cable de control de la cámara al conector RS-232C o al conector RS-422/485 (los cuatro terminales situados más a la derecha en el conector de salida de la alarma). (Únicamente puede utilizarse uno de estos conectores (RS-232C, RS-422, RS-485) a la vez).

Conector de entrada de cable de cámara analógica



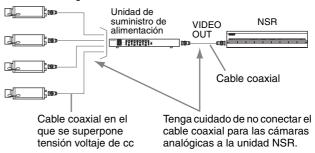
Ejemplos de conexión



Precaución

Si se utilizan cámaras y unidades de suministro de alimentación que superpongan voltajes de cc en el cable coaxial de vídeo, preste mucha atención al cableado coaxial. Si el cable de la cámara en el que se superpone voltaje de cc se encuentra conectado a la NSR, es posible que se produzcan fallos de funcionamiento.

Cámaras analógicas



Notas

- La NSR-1050H está equipada de manera estándar con un conector de entrada para cable de cámara analógica, pero la NSR-1200/1100 necesita una extensión NSBK-A16/A16H (opcional).
- Cuando utilice las funciones de rotación, inclinación o de zoom, debe configurar un número de control único.
 Para obtener más información acerca de la configuración de números de control, consulte el manual de instrucciones de la cámara analógica.
- Para obtener más información acerca de la asignación de terminales del conector RS-422/485, consulte "Asignación de clavijas del puerto de Entrada/Salida" (página 278).

Conexión de la NSRE-S200

Utilice el cable mini-SAS suministrado con la unidad NSRE-S200 opcional para conectar la NSR-1200/1100/1050H a la NSRE-S200 del modo siguiente.

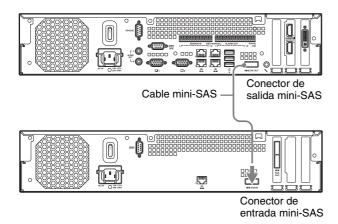
Es posible conectar hasta siete unidades NSRE-S200 a la NSR-1200/1100/1050H.

Para obtener más información acerca de las configuraciones de la conexión, consulte "Ejemplo de conexión de la unidad NSRE-S200" (página 276).

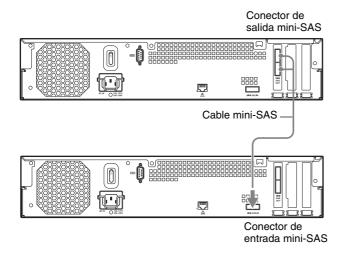
Nota

Asegúrese de conectar la NSR-1200/1100/1050H y la NSRE-S200 antes de activar la alimentación.

Conexión de la NSR-1200/1100/1050H a la NSRE-S200



Conexión de dos unidades NSRE-S200



Precaución

- No utilice un NSRE-S200 junto con el almacenamiento iSCSI.
- Asegúrese de conectar los cables mini-SAS con firmeza para que no se desconecten. Si un cable mini-SAS se desconecta durante el funcionamiento de la unidad, podrían producirse errores en la grabación. Apague siempre las unidades antes de conectar o desconectar los cables mini-SAS.

Conexión de otros dispositivos

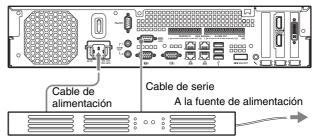
Conexión de entradas de sensor y salidas de alarma

Conecte los cables al conector de entrada del sensor y al conector de salida de la alarma.

Para obtener más información, consulte "Puerto de E/S" (página 278).

Conexión de un suministro de alimentación ininterrumpido

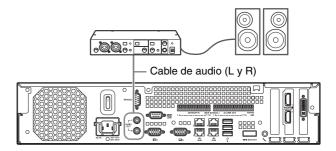
- 1 Conecte la fuente de alimentación ininterrumpida a la toma de alimentación.
- 2 Conecte la NSR a la fuente de alimentación ininterrumpida mediante el cable de alimentación suministrado.
- **3** Conecte la NSR al suministro de alimentación ininterrumpido mediante el cable de serie exclusivo al conector en serie situado en la parte posterior de la NSR.



Suministro de alimentación ininterrumpido

Conexión de un dispositivo de salida de sonido

Conecte el dispositivo de salida de sonido a los conectores de salida de sonido (L y R).



Paso 3: Ajustes

En esta sección se facilita información acerca de cómo encender la unidad y explicaciones generales acerca de cómo registrar cámaras y otros dispositivos.

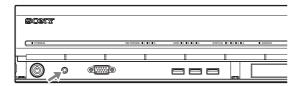
Encendido de la unidad

Si se pulsa el interruptor de alimentación de la parte frontal o posterior de la unidad, esta se encenderá. Si se conecta una unidad NSRE-S200 opcional, espere a que se haya encendido antes de encender esta unidad.

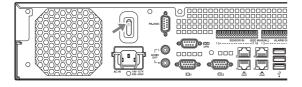
Precaución

Tenga en cuenta la corriente de entrada a la hora de configurar las conexiones de alimentación de los sistemas que incluyen varias unidades NSR o una unidad NSRE-S200. Para obtener más información acerca de la corriente de entrada, consulte "Datos de referencia para la instalación" (página 256).

Interruptor de alimentación de la parte frontal



Interruptor de alimentación de la parte posterior



El LED de alimentación del panel frontal se ilumina en verde y se enciende la unidad.

Al encender la unidad por primera vez, el Asistente de configuración se iniciará automáticamente.

Continúe hacia la siguiente sección "Configuración de los ajustes iniciales con el Asistente de configuración".

Notas

- Es posible que se oiga el ruido del ventilador durante 2 segundos tras encender la unidad. No se trata de un fallo de funcionamiento.
- Si se ha apagado la unidad mediante operaciones del sistema, pulse el botón de alimentación del panel frontal o el interruptor de alimentación del panel posterior para encender la unidad.

 Si se ha apagado la unidad de manera forzada anteriormente, es posible que esta tarde más tiempo en encenderse.

Para apagar la unidad

Después de iniciar sesión en la NSR, haga clic en en la parte superior de la pantalla principal y seleccione [Shutdown] en el menú que aparece.

Nota

Normalmente, la unidad se apagará una vez transcurridos unos minutos. Si la unidad no se apaga una vez transcurridos unos minutos, coloque el interruptor de alimentación que se encuentra situado en el panel posterior de la unidad en la posición (1) durante al menos 5 segundos para llevar a cabo un apagado forzado.

Configuración de los ajustes iniciales con el Asistente de configuración

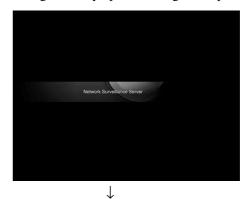
En esta sección se explica el flujo general de funcionamiento del Asistente de configuración. Para obtener más información acerca de los ajustes, consulte "Modificación de los ajustes iniciales con el menú de configuración" en la Guía del usuario (PDF).

Al encender la unidad por primera vez, el Asistente de configuración se iniciará automáticamente. Es posible configurar los mismos ajustes posteriormente mediante el acceso a la pantalla de inicio de sesión, el menú de administración y, a continuación, el menú de configuración. Para obtener más información, consulte "Para acceder al menú de configuración desde la pantalla de inicio de sesión" (página 270).

Precaución

En este manual, algunos de los elementos que aparecen en inglés en pantalla, están en español.

Al encender la unidad, se inicia el Asistente de configuración y aparece la siguiente pantalla.



Haga clic en [Next].



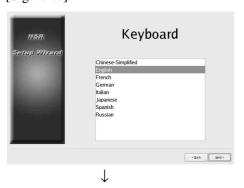
Lea el acuerdo de licencia detenidamente, haga clic en [Accept] y, a continuación, haga clic en [Next].



Seleccione el idioma de pantalla y haga clic en [Next].



Seleccione el idioma del teclado y haga clic en [Siguiente].



Seleccione la zona horaria y haga clic en [Siguiente].

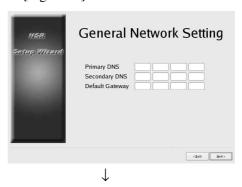


Ajuste la fecha y la hora, y haga clic en [Siguiente].

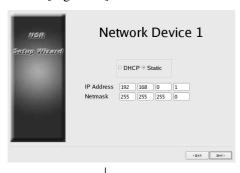
- Si se marca la casilla de verificación [Enable NTP Server], la unidad funcionará como el servidor NTP para sincronizar la fecha y la hora.
- Si se marca la casilla de verificación [Synchronize with NTP Server], es posible sincronizar la fecha y la hora con un servidor NTP diferente.
- Si no es posible sincronizar la fecha y la hora con el servidor Windows como servidor NTP, es posible marcar la casilla de verificación [Synchronize with Windows Server] para forzar que se efectúe la sincronización con el servidor Windows NTP.



Configure la dirección IP para cada servidor y haga clic en [Siguiente].



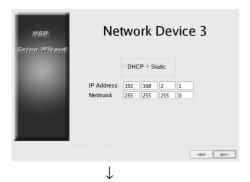
Configure la dirección IP para el conector LAN 1 y haga clic en [Siguiente].



Configure la dirección IP para el conector LAN 2 y haga clic en [Siguiente].



Configure la dirección IP para el conector LAN 3 y haga clic en [Siguiente].



Configure los ajustes del monitor 1 y haga clic en [Siguiente].

- Si se selecciona [Auto], el tipo de monitor conectado y su resolución se detectan y configuran automáticamente.
 - Para obtener más información acerca de las resoluciones admitidas, consulte "Requisitos del sistema" (página 251).
- Si desea conectar dos monitores a la unidad, marque la casilla de verificación [Dual Head].



Nota

Cuando se conecta un monitor HDMI, es posible que la imagen se comprima para ajustarse a la pantalla y que parezca borrosa, incluso si ajusta la resolución de monitor y la resolución de la imagen para que coincidan. Es posible mejorar la calidad de la imagen si selecciona la casilla [Dot By Dot] de modo que cada píxel de la imagen se muestre como un punto en el monitor, sin procesos de expansión ni compresión. Asimismo, es posible que necesite configurar algunos ajustes en el monitor. Consulte el manual de instrucciones del monitor.

Si desea conectar un segundo monitor, configure los ajustes correspondientes al monitor 2.

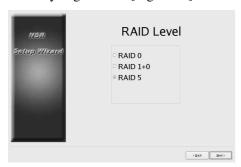
Después de configurar los ajustes correspondientes al segundo monitor, reinicie la unidad con el segundo monitor conectado



Seleccione el conector de salida de audio que desea utilizar y haga clic en [Siguiente].



Seleccione el tipo de RAID de la unidad de disco duro interno y haga clic en [Siguiente].



Nota

Esta pantalla solamente aparece en los modelos compatibles con la modificación de nivel del RAID.

Precaución

Si cambia el nivel del RAID, éste se reestructurará una vez haya finalizado el asistente. Es posible que la reestructuración del RAID tarde unas horas, en función del nivel y la capacidad de almacenamiento seleccionados.



Configure las particiones para la unidad de disco duro interno y haga clic en [Siguiente].

Especifique el número de particiones y seleccione el porcentaje de la capacidad total que desea asignar a cada partición.



Ajuste el nombre del servidor y haga clic en [Siguiente].



Configure los ajustes de conexión de la cámara analógica y haga clic en [Siguiente].

Seleccione el estándar de conexión en serie al que se conectará la cámara que desea controlar y configure los ajustes como, por ejemplo, la tasa de baudios y los bits de paridad.

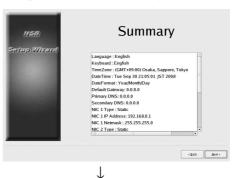
(Esta pantalla aparece únicamente si se ha conectado NSR-1050H o NSBK-A16/A16H (opcional))



Seleccione el formato de vídeo de las cámaras analógicas que desee conectar y haga clic en [Siguiente]. (Esta pantalla aparece únicamente si se ha conectado NSR-1050H o NSBK-A16/A16H (opcional))



Compruebe los ajustes y haga clic en [Siguiente].



Haga clic en [Finalizar] cuando aparezca el mensaje de confirmación de reinicio.



Se reinicia la unidad.

Aparece la pantalla de inicio de sesión. Continúe en la siguiente sección, "Inicio de sesión".

Para acceder al menú de configuración desde la pantalla de inicio de sesión





Cuando hay disponibles archivos de revisión

Es posible instalar archivos de revisión distribuidos por Sony en la NSR.

Sony distribuye los archivos de revisión mientras se añaden más cámaras y funciones compatibles con NSR. Se recomienda instalar estos archivos de revisión para utilizar la NSR con la mayor parte del software actualizado.

Si desea obtener más información acerca de la instalación de los archivos de revisión, consulte "Instalación de los archivos de parches" (página 274).

Inicio de sesión

Introduzca un nombre de usuario y contraseña y haga clic en [Logon].

Nombre de usuario predeterminado:admin Contraseña predeterminada:admin



Si se realiza correctamente el inicio de sesión, aparecerá el cuadro de diálogo de registro automático de la cámara.

Continúe en la siguiente sección, "Realización de la configuración básica".

Realización de la configuración básica

En esta sección se describe cómo registrar y configurar la grabación por alarma en dispositivos detectados automáticamente. Para obtener más información acerca de cómo registrar todos los dispositivos detectados automáticamente a la vez, consulte la Guía de inicio (documento independiente).

Para registrar una cámara

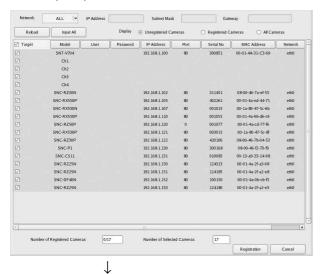
Seleccione [Abra la ventana de registro de varias cámaras] y haga clic en [Aceptar].



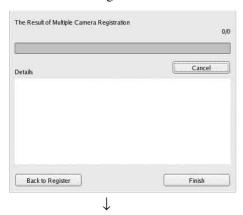
Los dispositivos que se encuentran en el mismo segmento de red se detectan automáticamente.

Marque las casillas de verificación correspondientes a las cámaras que desee registrar y haga clic en [Registro].

Para obtener más información acerca de los ajustes, consulte "Registro de dispositivos" en la Guía del usuario (PDF).

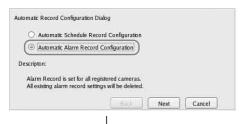


Las cámaras se registran.



Para configurar la grabación por alarma

Seleccione [Automatic Alarm Record] y haga clic en [Siguiente].



Aparece el mensaje de confirmación. Haga clic en [Siguiente].



Compruebe los ajustes y haga clic en [Finalizar].



La grabación por alarma se inicia. Cuando haya finalizado la configuración, aparecerá la pantalla principal.



Después de llevar a cabo la configuración básica, los valores correspondientes a cada ajuste serán los siguientes.

Ajuste	Grabación programada	Grabación por alarma
Tamaño de la imagen	Tamaño de imagen máximo admitido por la cámara. ¹⁾	Depende de los ajustes de grabación por alarma/evento configurados en la ficha [Vídeo].
Códec	Depende de los ajustes de Registro de planes de trabajo configurados en la ficha [Vídeo].	Depende de los ajustes de grabación por alarma/evento configurados en la ficha [Vídeo].
Velocidad de fotogramas	Depende de la duración del almacenamiento de los datos grabados. ¹⁾	Depende de los ajustes de grabación por alarma/evento configurados en la ficha [Vídeo].
Calidad	50% ¹⁾ Nivel 3 (cámaras con ajustes de 5 niveles) Nivel 5 (cámaras con ajustes de 10 niveles)	Depende de los ajustes de grabación por alarma/evento configurados en la ficha [Vídeo].
Velocidad de bits	Depende de la duración del almacenamiento de los datos grabados. ¹⁾	Depende de los ajustes de grabación por alarma/evento configurados en la ficha [Vídeo].

Ajuste	Grabación programada	Grabación por alarma
Activador de la grabación	_	VMD (cámara) VMD (Grabadora) si la cámara no es compatible. JPEG: modo estándar MPEG4, H.264: modo de alto rendimiento
Ubicación del almacenamiento de datos	No modificado respecto a la configuración existente. ²⁾	No modificado respecto a la configuración existente. ²⁾
Audio	Depende de los ajustes configurados en la ficha [Audio].	Depende de los ajustes configurados en la ficha [Audio].
Sobrescritura de datos	No modificado respecto a la configuración existente.	No modificado respecto a la configuración existente.
Limpiar	Elimina los datos que superan la duración del almacenamiento.	No modificado respecto a la configuración existente.

- En función del modelo de la cámara, es posible que se utilicen los valores configurados para los ajustes de Registro de planes de trabajo en la ficha [Video].
- 2) Si el usuario no ha configurado ajustes de ubicación de almacenamiento para la cámara, la capacidad de la primera partición del disco duro interno de la unidad se utilizará para calcular otros ajustes. Si el usuario ha configurado ajustes de ubicación de almacenamiento, las capacidades de cada una de las ubicaciones se utilizarán para calcular otros ajustes.

Precaución

- Si los ajustes de la grabación programada y la grabación por alarma ya existen al ejecutar "automatic record" ("grabación automática"), las configuraciones automáticas sustituirán los ajustes anteriores.
- Cuando cambia las ubicaciones de almacenamiento de la cámara, los ajustes no se cambian automáticamente.
 Puede realizar la configuración básica de nuevo para recalcular el ajuste.

Ajustes que requieren configuración individual

Es necesario llevar a cabo una mayor configuración en los siguientes casos.

Ajustes de ubicación de almacenamiento

En los ajustes de la configuración básica, los datos se almacenan en la primera partición del disco duro interno de la unidad.

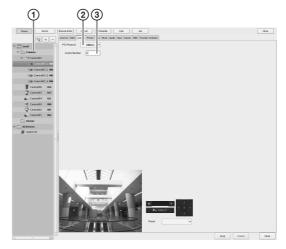
Para obtener más información acerca de la grabación de datos en una unidad NSRE-S200 opcional o en otras particiones, consulte la Guía del usuario (PDF).

Para construir sistemas que incluyen varias unidades NSR o servidores RealShot Manager Advanced

Para configurar varios servidores, es necesario efectuar una configuración individual. Para obtener más información, consulte la Guía del usuario (PDF).

Ajustes de rotación, inclinación y zoom para cámaras analógicas

Configure los ajustes de rotación, inclinación y zoom para cámaras analógicas del modo siguiente desde la ficha [Control] de la configuración del dispositivo.



- ① Seleccione la cámara analógica.
- Seleccione un protocolo basado en los ajustes de la cámara analógica.
- 3 Introduzca el número de control configurado en la cámara analógica seleccionada.

Nota

Para configurar estos ajustes, es necesario configurar el modo de transmisión en los ajustes de "Serial Port" del Asistente de configuración de antemano.

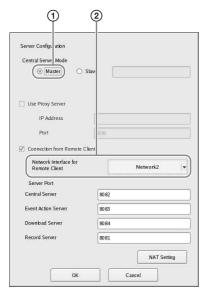
Ajustes de sonido para cámaras

En los ajustes de la configuración básica, el sonido está desactivado. Para obtener más información acerca de cómo activar el sonido, consulte la Guía del usuario (PDF).

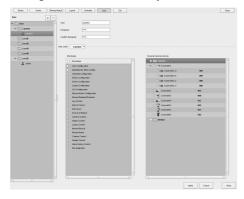
Configuraciones para la utilización del software cliente RealShot Manager Advanced

Configure los siguientes ajustes en la unidad NSR que desee utilizar como servidor maestro. Para obtener más información acerca de los ajustes, consulte la Guía del usuario (PDF).

1 Configure los siguientes ajustes en la pantalla de configuración del servidor del menú de administración.



- Seleccione [Maestro] en [Modo de servidor central].
- ② Seleccione la interfaz de red para efectuar la conexión en [Network Interface for Remote Client Connection] en [Connect from Remote Client].
- 2 Cree un usuario en el servidor maestro. Haga clic en + (añadir) en la pantalla de configuración del usuario y cree un usuario.



Paso 4: Verificación del funcionamiento

Una vez finalizadas las configuraciones básicas, asegúrese de que las imágenes de la cámara se visualizan en la pantalla principal y compruebe el resto de operaciones.



- ① Cambie el diseño y la visualización de las imágenes provenientes de las cámaras registradas.

 Arrastre y suelte una cámara del panel de cámaras en un marco de monitor para visualizar imágenes provenientes de dicha cámara.
- ② Haga clic en un marco de monitor para activarlo (marco azul claro) y controle la rotación, inclinación y zoom desde la ficha [Control] del panel de control de la cámara.
- ② Capture un objeto en movimiento con la cámara y confirme que se produce una alarma. Una vez configurada una grabación por alarma mediante la configuración básica, un marco rojo rodea al marco del monitor, y se visualiza un registro de cada alarma en el historial de alarmas situado en la parte inferior de la pantalla.
- 4 Consulte la Guía de funcionamiento de la ventana de supervisión (documento independiente) para obtener más información acerca del funcionamiento de cada función.
- ⑤ Haga clic en [PLAYBACK] para reproducir grabaciones.
 Cuando haga clic en [PLAYBACK], se reproducirán imágenes de una hora configurada previamente (reproducción rápida).
 Si introduce una fecha y una hora y hace clic en [GO], y las imágenes grabadas se reproducirán.
- (6) Haga clic en el indicador [ERROR] situado en la parte inferior derecha de la pantalla para confirmar si se ha producido algún error. Al mostrarse el registro del sistema al hacer clic en el indicador [ERROR], es posible confirmar si se han producido problemas mediante la visualización del registro.

Para obtener más información acerca de las operaciones de la pantalla principal, consulte la Guía de funcionamiento de la ventana de supervisión (documento independiente) o la Guía del usuario (PDF).

Precaución

Si se conecta un dispositivo USB a la unidad, es posible que se ilumine el indicador [ERROR] en la parte inferior derecha de la pantalla principal. Esto indica que es posible que la unidad no admita el dispositivo USB. Para obtener más información, consulte "Precauciones de uso" (página 248) o "No funciona un dispositivo externo que se encuentra conectado a un conector USB." (página 280) en la sección "Solución de problemas".

Si se utiliza RealShot Manager Advanced como cliente remoto

Lleve a cabo lo siguiente para confirmar las operaciones.

- 1 Inicie sesión en RealShot Manager Advanced.
 - Especifique el servidor durante el inicio de sesión. Especifique el valor del servidor central configurado en el servidor como puerto. El valor predeterminado es "8082".
 - Introduzca el nombre de usuario y la contraseña configurados en la pantalla de configuración del servidor (página 273) en las opciones [User Name] y [Contraseña].



- 2 En la pantalla principal de RealShot Manager Advanced, asigne imágenes a marcos de monitor provenientes de las cámaras conectadas a la unidad. Existen dos métodos disponibles para asignar cámaras.
 - Arrastre y suelte una cámara que se encuentre conectada a la unidad desde el panel de cámaras hasta un marco de monitor.
 - Haga clic en un marco de monitor para seleccionarlo y, a continuación, haga doble clic en una cámara en el panel de cámaras.
- 3 Compruebe que las imágenes de la cámara seleccionada en el paso 2 se muestran en el marco del monitor.

Instalación de los archivos de parches

1 Copie el archivo de revisión en un dispositivo de memoria USB o en un disco CD/DVD.

Precaución

No cambie el nombre del archivo ni otros aspectos del parche.

2 Haga clic en [Patch Installation] en el Menú de administración.



Aparecerá la pantalla Instalación del parche.

3 Seleccione el soporte en el que se guardará el parche.



Aparecerá una lista de nombres de parches.

- 4 Confirme el nombre del parche y haga clic en [Aceptar].

 Aparecerá un mensaje de confirmación.
- **5** Compruebe el contenido del mensaje y, a continuación, haga clic en [Yes].

Precaución

La unidad NSR se reiniciará automáticamente después de la instalación de determinados parches. Aparecerá una pantalla de confirmación si es necesario reiniciar. Si no es posible detener las operaciones actuales, seleccione [No] para cancelar

la instalación y llévela a cabo cuando reiniciar la unidad NSR no sea un problema.

La pantalla siguiente aparecerá durante la instalación del parche.



Cuando la instalación se complete, se aplicará el parche.

Ejemplos de conexión

Ejemplos de conexión de monitores

Esta unidad admite varias combinaciones de conexiones de monitores. Consulte los siguientes ejemplos de conexión.

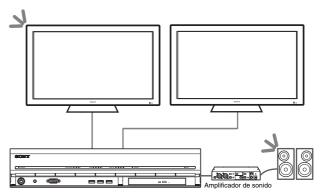
Nota

Es posible seleccionar si desea emitir sonido RCA o HDMI en la pantalla de sonido del Asistente de configuración o en el menú de configuración.

Precaución

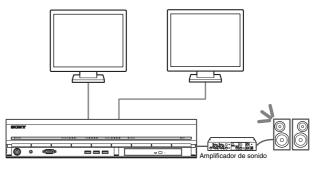
Asegúrese de conectar los monitores y de encenderlos antes de encender la unidad.

Ejemplo 1) Conexión de dos monitores HDMI



■: Ubicaciones de las salidas del sonido.

Ejemplo 2) Conexión de dos monitores RGB analógicos

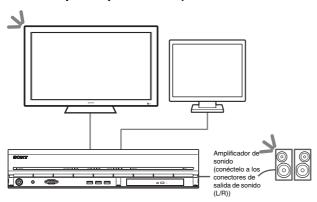


■: Ubicaciones de las salidas del sonido.

Notas

- No conecte los monitores a los conectores 1 y 2 para monitor HDMI.
- No conecte un monitor al conector 1 para monitor RGB analógico de la parte frontal de la unidad mientras ésta se encuentra encendida.

Ejemplo 3) Conexión de un monitor HDMI y de un monitor RGB analógico (monitor HDMI utilizado para operaciones)

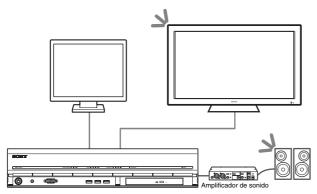


: ubicaciones de las salidas del sonido.

Nota

Utilice el conector 1 del monitor HDMI y el conector 2 del monitor RGB analógico para las conexiones.

Ejemplo 4) Conexión de un monitor HDMI y de un monitor RGB analógico (monitor RGB analógico utilizado para operaciones)



🔰 : ubicaciones de las salidas del sonido.

Nota

Utilice el conector 1 del monitor RGB analógico y el conector 2 del monitor HDMI para las conexiones.

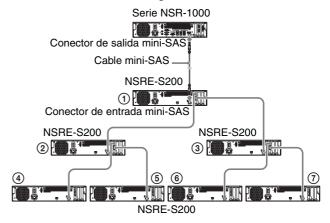
Ejemplo de conexión de la unidad NSRE-S200

Es posible conectar hasta siete unidades NSRE-S200 opcionales a la NSR-1200/1100/1050H en las siguientes configuraciones de árbol.

Nota

El cable mini-SAS utilizado para establecer la conexión se suministra con la NSRE-S200. Utilice siempre el cable suministrado.

Se recomienda conectar las extensiones del modelo NSRE-S200 en el orden siguiente.



A continuación, se muestra la lista en la que las unidades se conectan en la Posición 1, 3 y 6. Tenga en cuenta que el número de volumen se muestra en el orden en el que se configuraron las particiones.



Varios

INDICADORES DE ESTADO

Si se produce un error en la unidad, el LED de error situado en el panel frontal de la unidad parpadeará o se iluminará en función del estado del error, y el LED de estado se iluminará.

STATUS ■1 ■2 ■3 ■4 ■ ERROR

El indicador STATUS indica las siguientes situaciones de error.

Códigos de error que aparecen durante la fase de arranque

(El indicador de ERROR parpadea cuando se produce un error durante la fase de arranque).

oroduce un error durante la fase de arranque).				
Código de error	INDICADOR DE ESTADO	Indicador de ERROR	Causa posible	
1	1234	= Parpadeo	Fallo de voltaje de la fuente de alimentación	
2	1234	Parpadeo	Fallo del ventilador de la CPU	
3	1234	Parpadeo	Módulo de memoria defectuoso	
4	1234	Parpadeo	Fallo del batería CMOS	
5	1234	Parpadeo	Fallo del controlador o memoria de acceso aleatorio de vídeo (RAM)	
6	1234	Parpadeo	Fallo del controlador del disco duro	
7	1234	= Parpadeo	No se ha encontrado un dispositivo de inicio	
8	1234	Parpadeo	No se ha encontrado un sistema operativo de inicio	
9	1234	Parpadeo	Uno o varios fallos del disco duro	
A	1234	Parpadeo	Fallo de volumen del SO del RAID	
В	1234	Parpadeo	Fallo al iniciar el servidor X11	
С	1234	Parpadeo	Fallo al iniciar la aplicación	
D	1234	= Parpadeo	Reservado para utilizar más adelante	
Е	1234	= Parpadeo	Reservado para utilizar más adelante	
F	1 2 3 4	= Parpadeo	Fallo de volumen de datos del RAID	

lindica que el LED de estado o de error está iluminado.

Códigos de error que aparecen durante la fase de funcionamiento

(El indicador de ERROR se ilumina cuando se produce un error durante el funcionamiento).

produce un error durante el funcionamiento).				
Código de error	INDICADOR DE ESTADO	Indicador de ERROR	Causa posible	
1	1234	Encendido	Problema de temperatura interna del dispositivo	
2	1234	Encendido	Fallo del ventilador de la CPU	
3	1234	Encendido	Fallo del ventilador de la fuente de alimentación	
4	1234	Encendido	Fallo de voltaje de la fuente de alimentación	
5	1234	Encendido	Fallo del ventilador 1 del disco duro	
6	1234	Encendido	Fallo del ventilador 2 del disco duro	
7	1234	Encendido	El disco duro está dañado.	
8	1234	Encendido	Reservado para utilizar más adelante	
9	1234	Encendido	Reservado para utilizar más adelante	
A	1234	Encendido	Reservado para utilizar más adelante	
В	1234	Encendido	Error en el sistema operativo	
С	1234	Encendido	Fallo de funcionamiento de la aplicación	
D	1234	Encendido	El indicador [ERROR] de la pantalla principal está encendido	
Е	1234	Encendido	Fallo de volumen de datos del RAID	
F	1234	Encendido	El volumen de datos RAID está siendo reestructurado	

Puerto de E/S

Asignación de clavijas del puerto de Entrada/Salida

Entrada de sensor

Número de clavija	SENSOR IN
1	3.3 v
2	IN_8 -
3	IN_8 +
4	IN_7 -
5	IN_7 +
6	IN_6 -
7	IN_6 +
8	IN_5 -
9	IN_5 +
10	IN_4 -
11	IN_4 +
12	IN_3 -
13	IN_3 +
14	IN_2 -
15	IN_2 +
16	IN_1 -
17	IN_1 +
18	GND

Salida de alarma

Número de clavija	Salida de alarma
1	GND
2	OUT_8 -
3	OUT_8 +
4	OUT_7 -
5	OUT_7 +
6	OUT_6 -
7	OUT_6 +
8	OUT_5 -
9	OUT_5 +
10	OUT_4 -
11	OUT_4 +
12	OUT_3 -
13	OUT_3 +
14	OUT_2 -
15	OUT_2 +
16	OUT_1 -
17	OUT_1 +
18	3.3 v

RS-422/485

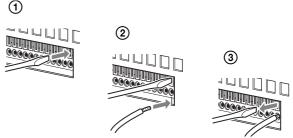
Número de clavija	RS-422	RS-485
19	TX-	TX-
20	TX+	TX+
21	RX-	
22	RX+	

Utilización del receptáculo E/S

Inserte un destornillador de ranura pequeño en la ranura superior o inferior del orificio al que desea conectar el cable (AWG del N° 28 al 18). Sujete el destornillador, inserte el cable y suelte el destornillador.

Precaución

No ejerza demasiada fuerza al insertar el destornillador en la ranura, ya que, de lo contrario, podrían producirse daños.



Repita el procedimiento para conectar todos los cables necesarios.

Diagrama de cables 1 para la entrada del sensor

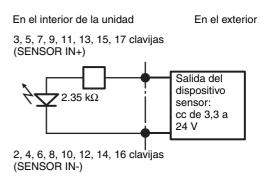
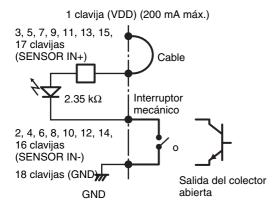


Diagrama de cables 2 para la entrada del sensor

En el interior de la unidad

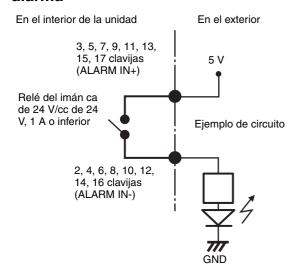
En el exterior



Nota

Si se utiliza el diagrama de cables 2, la NSR no estará aislada eléctricamente, así que asegúrese de construir circuitos externos que no produzcan ruidos, voltaje excesivo ni sobrecargas de corriente.

Diagrama de cables de la salida de la alarma



Solución de problemas

Antes de ponerse en contacto con su distribuidor o con un centro de asistencia técnica de Sony, compruebe los siguientes elementos. Si el problema persiste, póngase en contacto con estos.

La NSR no funciona.

- Compruebe que el interruptor de alimentación se encuentra encendido.
- Compruebe que el cable de alimentación se encuentra correctamente conectado.

- Asegúrese de que la toma de pared dispone de alimentación. Enchufe otro dispositivo para comprobar dicha circunstancia.
- Compruebe que no se está accediendo a las unidades de disco duro (los LED del disco duro de la parte frontal de la grabadora no parpadean) y, a continuación, mantenga pulsado el interruptor de alimentación que se encuentra situado en la parte posterior de la unidad durante aproximadamente 10 segundos para apagarla a la fuerza. Reinicie la NSR.
- Durante el procedimiento de encendido, la NSR comprueba el sistema de archivos. La duración de esta comprobación varía en función de la cantidad de datos que se encuentran en la NSR (en algunos casos extremos, es posible que el proceso tarde hasta dos horas). Durante la comprobación del sistema de archivos, los LED del disco duro que se encuentran situados en la parte frontal de la grabadora parpadean.
- Si la NSR no se inicia correctamente, es posible que aparezca la siguiente pantalla.

1. HDD Restore
2. DOM Restore
3. Software Restore
4. Reset Monitor Setting
5. Initialize (Factory Use)
6. Reboot the system
7. Shutdown the system
Enter your choice:

Si aparece, lleve a cabo el procedimiento siguiente.

- 1. Seleccione "7. Shutdown the system" y pulse la tecla Intro.
- Consulte "No es posible acceder a la unidad de disco duro" para comprobar si los discos duros de la NSR se encuentran correctamente conectados.
- 3. Reinicie la NSR y compruebe si se enciende.

No se visualiza ninguna imagen en el monitor.

- Compruebe si la NSR se encuentra encendida.
- Compruebe si el cable de alimentación se encuentra correctamente conectado.
- Compruebe si el cable del monitor se encuentra correctamente conectado. Compruebe si el monitor se encuentra conectado al conector 1 para monitor.
- Si configura una resolución demasiado alta para la resolución del monitor, es posible que se muestre el mensaje "Out of range" si la resolución del monitor se demasiado baja en comparación con la salida del monitor. Pulse CTRL+ALT+SIGNO MENOS tantas veces como sea necesario para reducir la resolución de la salida de vídeo. Cuando la resolución de la imagen de salida alcanza la resolución del monitor, se muestra la imagen. Posteriormente, vuelva a configurar la resolución del monitor. Para obtener más información, consulte la Guía del usuario (PDF).

El monitor conectado al conector HDMI no se visualiza correctamente.

- Si se cambia la entrada del monitor HDMI o se vuelve a conectar el cable, es posible que las imágenes no se visualicen correctamente en algunos casos. En tales casos, lleve a cabo lo siguiente.
 - 1. Cambie la entrada del monitor.
 - 2. Reinicie el monitor.

Nota

Si el problema persiste una vez llevadas a cabo las acciones anteriores, desconecte el cable HDMI y continúe utilizando el monitor RGB analógico. Si resulta conveniente detener el funcionamiento, reinicie la unidad e intente volver a conectar el monitor HDMI.

El nuevo hardware externo no funciona correctamente.

 Asegúrese de que los cables correspondientes al nuevo dispositivo externo se encuentran correctamente conectados y que los terminales no se encuentran doblados.

No funciona un dispositivo externo que se encuentra conectado a un conector USB.

- Si se conecta un dispositivo USB a la unidad, es posible que se ilumine el indicador [ERROR] en la parte inferior derecha de la pantalla principal. Lleve a cabo lo siguiente para confirmar si la unidad es compatible con el dispositivo USB.
 - 1. Haga clic en el indicador [ERROR]. Se mostrará el registro del sistema.
 - Compruebe si se muestra el mensaje de error "Unsupported USB device" en el registro del sistema.
 - Si se muestra el mensaje "Unsupported USB device", significa que la unidad no es compatible con el dispositivo USB.
- Esta unidad admite dispositivos de almacenamiento masivo estándar USB 2.0. Sin embargo, en función del tipo de dispositivo de almacenamiento masivo USB 2.0, es posible que se produzcan errores al escribir datos en el dispositivo. Si se producen errores durante la escritura de datos, utilice un dispositivo de memoria USB de tipo diferente.
- Para garantizar un funcionamiento adecuado de los dispositivos USB, no los conecte a través de un concentrador USB. Conecte los dispositivos directamente a los conectores USB de la unidad. El funcionamiento no se garantiza si se conectan dispositivos a través de un concentrador USB, un selector USB o un cable prolongador.
- Consulte la documentación suministrada con el dispositivo USB.

El sistema no puede leer la información de discos DVD/CD.

- Asegúrese de que está utilizando un tipo de disco correcto.
- Asegúrese de que el disco DVD/CD se encuentra correctamente insertado en la unidad.
- Compruebe que el disco DVD/CD está limpio y no se encuentra rayado.

La bandeja de DVD/CD no se puede expulsar.

- Asegúrese de que la NSR se encuentra encendida.
- Inserte lentamente la punta de un bolígrafo o de un sujetapapeles en el orificio de expulsión de la unidad de DVD/CD. Tire de la bandeja hacia fuera de la unidad y, a continuación, extraiga el disco.

El LED de red no se ilumina.

• Compruebe que el cableado y el equipo de red se encuentran correctamente conectados.

No es posible acceder a la unidad de disco duro.

- Asegúrese de que le unidad de disco duro se encuentra correctamente insertada.
- Compruebe los LED del disco duro del panel frontal del sistema. Lea los LED de las unidades para identificar el disco duro defectuoso. Se iluminará en ámbar un LED de disco duro defectuoso.
- Debido al rápido parpadeo que se produce durante el acceso frecuente a la unidad de disco duro, es posible que el LED del disco duro parezca que se encuentra apagado en entornos con mucha iluminación.

No es posible acceder a la NSR desde un cliente remoto.

- Asegúrese de que la NSR funciona correctamente (no debe existir ninguna anomalía en la unidad de disco duro, en la red, en el software ni en ningún otro elemento).
- Asegúrese de que los ajustes del servidor central de la unidad son correctos.
- Asegúrese de que los ajustes del cliente remoto y de la interfaz de red de la unidad sean correctos.
- Asegúrese de ajustar el nombre de usuario, la contraseña y el puerto de conexión correctos (dirección IP o nombre de host y número de puerto) en RealShot Manager Advanced.
- Consulte la sección de solución de problemas de esta guía del usuario correspondiente a RealShot Manager Advanced.

La NSR se calienta rápidamente

 Asegúrese de que ningún objeto bloquea las aberturas de ventilación situadas en la parte frontal, posterior y en los laterales de la unidad y que no se ha acumulado polvo en ellas.

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 - d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or

table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

- 7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
 - Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities.
 This must be distributed under the terms of the Sections above.
 - b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
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<one line to give the library's name and a brief idea of
what it does.>

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice

That's all there is to it!

Especificaciones

NSR-1200/1100/1050H

Procesador

CPU NSR-1200: Quad Core Xeon

NSR-1100: Dual Core Xeon NSR-1050H: Dual Core Xeon

Memoria

Memoria flash integrada

4 GB

Memoria interna NSR-1200:2 GB

NSR-1100:1 GB NSR-1050H:1 GB

Dispositivos de grabación

Unidad de disco duro interna Unidad de DVD/CD (frontal)

1 unidad

Soportes compatibles: DVD+R,

DVD-R,

DVD-ROM, CD-R, CD-RW,

CD-ROM

Conectores externos

Parte frontal Salida de monitor:

RGB analógica (mini D-SUB de

15 contactos) (1)

USB: USB 2.0 (3)

Parte posterior Salida de monitor:

RGB analógica (mini D-SUB de

15 contactos) (2) HDMI (2)

Salida de sonido (L) (1) Salida de sonido (R) (1)

Entrada de sonido (1)

LAN (1000Base-T/100Base-TX/ 10Base-T) (RJ-45) (4)

USB: USB 2.0 (3)

Salida mini-SAS (para la conexión opcional de la unidad NSRE-S200, mini-SAS ×4 (SFF-8088),

3,0 Gbit/s) (1)

Entrada del sensor (compatible con dispositivos de 3,3 V a 24 V de cc, entrada de fotoacoplador, aislada de la unidad principal)

(8)

Salida de alarma (máximo de 24 V de cc, 1 A, salida de relé mecánico, aislada de la unidad

principal) (8)

UPS de serie: RS-232C (1)

Control de cámaras analógicas

(únicamente con la NSR-1050H

o la extensión NSBK-A16/

A16H):

RS-232C (1) RS-422/485 (1)

Entorno operativo

Temperatura de funcionamiento

Entre 5 °C y 40 °C (entre 41 °F y

104 °F)

Humedad de funcionamiento

Entre el 20% y el 80% (temperatura máxima del termómetro de bulbo

húmedo: 30 °C, sin condensación)

Rango de temperatura de almacenamiento

de -20 a +60 °C (-4 a +140 °F)

Rango de humedad de almacenamiento

del 20 al 90% de humedad relativa (temperatura máxima de higrómetro de 40 °C/+104 °F, sin

condensación)

Alimentación y varios

Alimentación Entre 100 y 127 V de ca/entre 200 y

240 V de ca (50/60 Hz)

Consumo de energía

Máx. 350 W

Dimensiones $430 \times 87 \times 417 \text{ mm} (16.9 \times 3.4 \times 4.47 \text{ mm})$

16,4 pulgadas)

(an/al/prf, sin incluir las partes

salientes)

Peso NSR-1200: aprox. 13,5 kg (29,8 lb.)

NSR-1100: aprox. 12 kg (26,7 lb.) NSR-1050H: aprox. 11,5 kg (25,4

lb.)

Accesorios opcionales

Kit de montaje del bastidor NSR-RM1 Controlador del sistema RM-NS1000

Kit de codificador analógico NSBK-A16/A16H

Unidad de almacenamiento de extensión NSRE-S200

El diseño y las especificaciones están sujetos a cambios sin previo aviso.

Notas

- Haga siempre un ensayo de grabación y verifique que se grabó bien.
 - SONY NO SE HACE RESPONSIBLE POR DAÑOS DE NINGÚN TIPO, INCLUYENDO PERO NO LIMITADO A LA COMPENSACIÓN O PAGO POR FALLO EN HACER CUALQUIER TIPO DE CONTENIDO DE GRABACIÓN POR MEDIO DE ESTA UNIDAD O SU SOPORTE DE GRABACIÓN, SISTEMAS DE MEMORIA EXTERNA O CUALQUIER OTRO SOPORTE O SISTEMAS DE MEMORIA.
- Verifique siempre que esta unidad funciona correctamente antes de utilizarlo. SONY NO SE HACE RESPONSIBLE POR DAÑOS DE NINGÚN TIPO, INCLUYENDO PERO NO LIMITADO A LA COMPENSACIÓN O PAGO POR LA PÉRDIDA DE GANANCIAS PRESENTES O FUTURAS DEBIDO AL FALLO DE ESTA UNIDAD, YA SEA DURANTE LA VIGENCIA DE LA GARANTÍA O DESPUÉS DEL VENCIMIENTO DE LA GARANTÍA NI POR CUALQUIER OTRA RAZÓN.

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- 请确保所有交流插座及电源线均已安全接地。
- 本机盖子或外壳打开或取下时,请勿使用本机。 否则可能会引起火灾及触电。请您不要尝试打开 或取下盖子。必须打开时请务必联系您的供货 商。

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为了延长本产品的使用寿命,请不要在下列场所使 用或贮藏。

- 会变得极热或极冷的场所 (保持本设备的规格。)
- 会受到长时间光照的场所,以及靠近加热器的场所。(请注意夏季紧闭门窗的汽车内的温度会超过+50℃/+122°F。)
- 高湿度或多尘场所
- 会受到强烈振动的场所
- 会受到强磁场影响的场所
- 收音机或电视机发射器产生的强磁场附近

切勿堵塞通风孔

- 机侧的通风孔用于防止内部产生积热。请务必在机身两侧、后方及上方留出 10 cm 以上的间隙。
- 切勿在密闭的盒子或其他封闭物中使用本机。
- 请确保本机背面上的风扇排气孔附近不要有电缆 及其他物体。如果此处堵塞,则机内将产生积 热,从而可能会引起火灾及损害。
- 另外当本机安装在托架中时,请务必确保机背面 的风扇排气孔以及前方的通风孔没有被电缆或其 他物体堵塞。切勿将本机安装在无法满足上述要 求的环境中。

水平使用本机

- 本机必须水平操作。
- 切勿将本机安装在斜面上,同时勿使本机受到震动。
- 如果本机掉落在地上或者受到其他强烈震动,则可能会使其严重受损。
- 将本机安装在托架中时,请确保使其保持水平。如果本机没有水平安装,则可能产生故障。另外,强烈建议您将托架固定在墙壁或类似物体上,以免其倾倒。

维护

 清洁本机或者进行其他维护以前,请务必将电源 线从交流插座上拔下。

- 请用干布轻轻擦拭机壳及面板进行清洁。对于顽 渍,请用清洁布蘸少量温和的中性清洁剂,然后 用干布擦干。
- 切勿使用清洁酒精、稀释剂、汽油、杀虫剂或任何其他挥发性物质,否则可能会损伤其表面及造成褪色。
- 灰尘会聚集在设备正面的通风口处。除去灰尘时,切勿使设备受到震荡或振动。

运输

请使用原包装或类似包装材料,以免本机受到震动。

内置 HDD 的产品的注意事项

本机配备有内置硬盘驱动器(HDD)。 HDD 属于精密装置。如果遇到震荡、振动、静电、高温或高湿等情况,数据可能会丢失。本机安装使用时,请务必注意下列事项。

勿使其受到震荡

受到震荡时,可能会造成 HDD 损坏以及 HDD 上的数据丢失。

- 当运输本机时,请使用指定的包装材料。当放在 台车或类似车辆上运输时,请选用不会传送剧烈 振动的车辆。剧烈震荡可能会造成 HDD 损坏。
- 切勿在电源接通时移动本机。另外,将本机取出或插入托架以前,请确保电源已经关闭。
- 确保托架中所有配备有 HDD 的装置免受震荡。
- 将本机取出或插入托架以前,请确保托架中其他 配备有 HDD 的装置的电源也已关闭。
- 切勿取下本机的面板或外部组件。
- 将本机安置于地板或其他表面上时,请确保本机已装配有指定底脚,然后小心放下本机。如果没有底脚,请先安装随机附带的橡皮垫脚,切勿将本机安装在可能成为振动源的装置旁边。

电源关闭后请等待 30 秒

电源关闭后的一段短时间内, HDD 内的盘片将继续旋转,同时磁头位于不稳定的位置。在这段时间内,震荡对机器的影响比正常操作时更大。电源关闭后至少30秒的时间段内,切勿使本机受到丝毫震动。这段时间以后,硬盘将完全停止运转,此时可对本机进行操作。

温度及湿度方面的注意事项

只能在未超出指定温度和湿度范围的场所使用和贮藏本机。(保持本设备的规格。)

当 HDD 似乎出现故障时

即便 HDD 已经显示出存在故障,也请务必注意以上所有事项。这样可以在问题得到诊断及解决以前防止进一步损坏。

更换 HDD 和其它易耗件

本设备的 HDD、风扇和电池都属于易耗件,需要 定期更换。在室温下运行时,更换周期一般为两到 三年。但是,此更换周期仅为一般准则,并不表示 这些部件的预期寿命保证就是如此。有关部件更换的详细信息,请联系您的经销商。

使用 USB 设备的注意事项

- 本设备支持标准 USB 2.0 大容量存储设备。但是, 在向设备写入数据时可能会出现错误,具体情况 视 USB 2.0 大容量存储设备的类型而定。如果写 入数据时出错,请使用其它类型的 USB 存储设 备。
- 为了确保正确操作 USB 设备,请勿通过 USB 集线器连接设备。请将设备直接连接到本设备上的USB 接口。如果通过 USB 集线器、USB 开关或延长电缆连接设备,则无法保证能够正常操作。

概述

NSR 系列是用于网络摄像头的服务器(网络监视)。用户借助 NSR 系列可通过网络监视并记录来自网络摄像头的 JPEG、MPEG-4 和 H.264 图像。还可以用它搜索和播放记录的图像,NSR 是真正意义上的多用途监视系统。

从远程位置控制兼容的摄像头

可对兼容的摄像头执行摇摄、倾斜和变焦操作。

与模拟摄像头兼容

将兼容摄像头直接连接到设备 ¹⁾,则可从模拟摄像 头监视和记录图像。

1) 当 NSR-1050H 有内置 NSBK-A16 时,NSR-1200/1100 需要使用 NSBK-A16/A16H(可选)扩展。

大容量硬盘可实现长时间记录

本设备配备了大容量的硬盘,能够长时间记录高质量的图像。有关参考示例,请参阅"安装参考数据"(第 303 页)。

纤巧造型 (2U)、节省空间的 19 英寸机架式安装设计

通过可选的机架安装套件 (单独出售),可在标准通用间距 EIA 19 英寸机架上安装记录仪。

记录图像的分辨率最高可达 480 fps (VGA、 JPEG)

NSR-1200 最多支持 64 个摄像头, NSR-1100 最多支持 32 个摄像头, NSR-1050H 最多支持 20 个摄像头。为获得优良的图像品质, NSR-1200 应以 480 fps¹⁾ 的最高帧率(NSR-1100 为 240 fps, NSR-1050H 为 120 fps)、 VGA 分辨率(640×480 像素)²⁾ 和 JPEG 的图像格式(1 帧约为 31 KB)记录图像。

- 1) 16 个摄像头连接到记录器时的最大帧率。每个摄像头的帧率约为 30 fps。内部硬盘的碎片可使该帧率下降。 这些值是以 Sony 进行的测量为基础的。在用户操作 环境中,性能可能会发生变化,因此无法确保这些值 不会改变。
- 2) QuadVGA 分辨率 (1,280×960) 下的帧率是 VGA 分辨率下帧率的 1/4。

高可靠性

NSR-1200 支持 RAID $5^{1)}$ 并且运行十分稳定。即使一块硬盘出现故障,系统仍可继续运行。NSR 还支持不间断电源 (UPS),使系统极其稳定可靠。

1) RAID 5 是一种可在多个硬盘驱动器上划分和存储数据及奇偶校验(错误纠正代码)的系统。虽然此系统在其中某个硬盘出现故障后仍可以继续运行,但并不保证可以恢复丢失的数据。此外,由于更换故障硬盘后的重建过程中存在内部处理量过大的问题,因此在进行重建时,设备可能无法以配置的记录速率记录图像。

其他特性

- 除了标准的2×2和3×3布局以外,用户还可使 用自定义布局以各种不同布局显示图像。
- 除了其他功能外,NSR 还可以进行手动、预定以 及警报记录。
- NSR 借助记录器 1) (Video Motion Detection (记 录器))实现运动检测功能。
- 可以按摄像机名称、日期、警报以及其它方法搜 索记录图像。
- 使用 NSR 的动态屏蔽功能 ²⁾ 可以创建保密区。动 态屏蔽包括摇摄、倾斜和变焦。
- 通过使用摄像头发送的对象信息元数据形式的图 像处理结果,来执行各种类型的过滤3),可执行 准确的报警处理。因为过滤可应用于已经记录的 元数据, 所以在记录完成后还可搜索感兴趣的区 域。
- 支持兼容摄像机的音频记录和播放 ⁴⁾。
- 1) 某些功能将受到限制,这取决于连接的摄像机数。
- 2) 根据连接的摄像机型号不同,某些功能会受到限制。
- 3) 要使用元数据执行对象检测和非对象检测,需要使用 根据元数据支持对象检测的摄像头。不建议在32台 以上的摄像机中使用元数据。
- 4) 需要使用可选的音频放大器或扬声器。

本手册仅说明如何安装和配置 NSR。有关如何使用 本设备的详细说明,请参阅用户指南 (PDF)。

系统要求

要使用本记录器,请遵循以下硬件要求。

- Sony 网络摄像头 有关兼容的 Sony 网络摄像头的详细信息,请联 系您的经销商。
- 监视器 ¹⁾
- USB 键盘²⁾
- USB 鼠标 ³⁾
- USB 远程控制器 ⁴⁾
- 网络交换机
- 1000Base-T/100Base-TX/10Base-T 电缆
- USB 存储设备 ⁵⁾
- 1) 本设备支持兼容 HDMI 的设备和支持 RGB 输入的计 算机显示器。 可指定以下分辨率。

 - -全高清 (1,920 × 1,080)
 - -WUXGA $(1,920 \times 1,200)$
 - -全宽度 XGA (1,360 × 768)
 - $-UXGA (1,600 \times 1,200)$
 - $-SXGA (1,280 \times 1,024)$
 - $-XGA(1,024 \times 768)$
- 2) 可使用带电缆的 USB 键盘。但除标准键外的其他键 可能不起作用。无线或红外线 USB 键盘也可能无法 正确工作。
- 3) 可使用带电缆的 USB 鼠标。但是,三键鼠标或滚轮 鼠标可能无法正确工作。无线或红外线 USB 鼠标也 可能无法正确工作。
- 4) 您可使用远程控制器控制摄像头的摇摄、倾斜和变焦 操作。
 - -本设备支持 CH Products 的 RM-NS1000 系统控制器和 IP 桌面 USB 控制器。不支持其他远程控制器。 请勿连接多个远程控制器。
- 5) 备份系统信息 (例如日志) 时需要用到
 - -本设备支持标准的 USB 2.0 大容量存储设备。但是, 向设备写入数据时可能出错,这取决于 USB2.0 大 容量存储设备的类型。如果写入数据时出错,则请 换用不同类型的USB存储设备。

包装内容

检查本包装内是否包含以下物品:

NSR-1200/1100

- NSR-1200/1100 (1)
- 电源线(1)
- 前面板钥匙(2)
- 安装手册 (本文档) (1)
- 初次操作指南(1)
- 监视窗口操作指南(1)
- 安全规则 (1)
- WEEE 手册 (1)
- 保修手册 (1)
- 橡胶脚垫 (4)

NSR-1050H

- NSR-1050H (1)
- 电源线(1)
- 前面板钥匙 (2)
- 模拟摄像头输入电缆(1)
- 安装手册 (本文档) (1)
- 初次操作指南(1)
- 监视窗口操作指南(1)
- 安全规则(1)
- WEEE 手册 (1)
- 保修手册 (1)
- 橡胶脚垫 (4)

注意

- 本包装内可能含有附加硬件和/或用于这些选件的文档。
- 请保存好包装盒和包装材料,以备将来使用。
- 支架安装套件 (NSR-RM1) 和系统控制器 (RM-NS1000) 是可选装置 (分开销售)。

下载 NSR 上保存的文件

文档(例如操作手册)和工具存储在 NSR 设备上。要下载 NSR 设备上存储的文件,请执行以下操作。

- **1** 在计算机上使用 FTP 客户端 (例如 Internet Explorer)指定以下 URL。 ftp://ftptool@<NSR IP 地址 >
- 2 输入以下用户名和密码。

用户名: ftptool 密码: ftptool

注意

要更改用户名和密码,请在"设置菜单"的"FTP"中更改 [Enable user to Get Tools from Remote] 配置。此外,如果您更改了用户名,则必须同时将指定 URL 中"ftp://"后的地址更改为新的"user name@<NSR IP address>。"

FTP 客户端中会列出以下文件夹和文件。

3 单击包含所需文件的文件夹。

文件夹

Manual: 包含操作手册 (PDF)。

SourceCode: 包含 GPL/LGPL 源代码和其它此

类数据。

Tool: 包含 RealShot Manager Advanced

和 Media File Player。

文件

README.txt: 包含各文件夹的信息。

每个文件夹中包含的文件会显示出来。

4 单击需要的文件进行下载。

使用 PDF 手册

NSR 上存储着操作手册和其他文档(日语、英语、法语、德语、意大利语、西班牙语、简体中文和俄语版本)。

这些手册的副本以 pdf (可携带文件格式) 格式创建。

准备工作

要使用 NSR 上存储的操作手册,您的计算机必须安装以下软件。

• Adobe Reader 6.0 版或更高版本

注意

如果未安装 Adobe Reader,则可从以下 URL 下载: http://www.adobe.com/

Adobe 和 Adobe Reader 是 Adobe Systems Incorporated 在美国和 / 或其他国家 / 地区的商标。

查看 PDF 手册

- **1** 请参阅"下载 NSR 上保存的文件"并从 NSR 上的"Manual"文件夹中下载符合您所用语言的手册。
- 2 双击下载的文件。

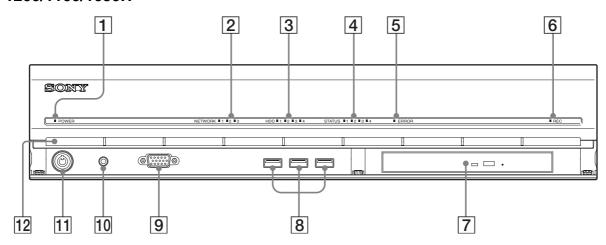
注意

文件可能因所用的 Adobe Reader 版本而无法正确显示。如果文件不能正常显示,请通过"准备工作"章节中提供的 URL 下载最新版的 Adobe Reader。

特性和功能

正面(前面板开启时)

NSR-1200/1100/1050H



1 电源 LED

设备开启后呈绿色。 待机状态时发出黄光。

2 网络LED (1至3)

NSR 背面 LAN 接口上进行作业时,相应指示灯发出绿光。

3 HDD LED

访问内部硬盘时,指示灯闪烁绿光。 硬盘出错时,指示灯发出黄光。

4 状态 LED (1至4)

NSR 启动时,这些灯依次变亮(顺序为 1、2、3、4)。发生错误时,相应的状态 LED 会与错误 LED 一起发光,后者通过发光或闪烁来指示错误类型。有关详细信息,请参阅"状态 LED"(第 322 页)。

5 错误 LED

出错时发光或闪烁。

6 REC LED

记录图像时亮起。

7 DVD/CD 驱动器

使用该驱动器可将数据从 NSR 硬盘写入 DVD 和 CD。

8 USB接口

本接口用于将 USB 键盘、鼠标、 USB 闪存或系统 控制器 (RM-NS1000)连接到 NSR。

9 监视器接口1

该接口用于连接监视器。

监视器接口1(监视器接口1位于设备背面)和设备背面的 HDMI 监视器接口1不可同时使用。

10 电源开关

按下此开关打开设备。(您不能使用此开关来关闭设备。)

11|锁

使用该锁与随附的前面板钥匙结合,用于锁定前盖。前盖在锁定时是无法拉出的。此外,在前盖已拉出时不要将其锁定。通过查看锁的位置可分辨锁定位置与未锁定位置,如下图所示。

前盖已锁定

前盖未锁定



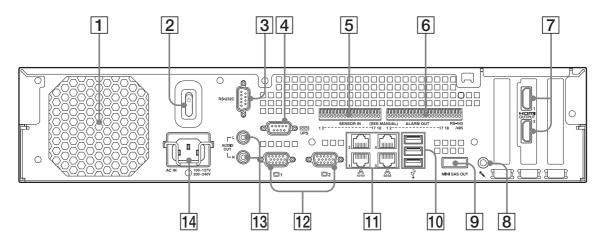


12 通风孔

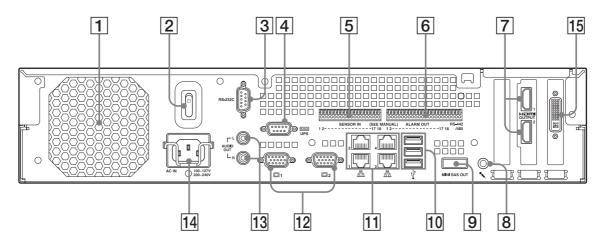
这些开口可使空气从 NSR 正面流向背面。 请勿堵住通风孔,让灰尘在通风孔的内网上累积或 以其他任何方式阻塞气流。阻塞气流会使热量在 NSR 内部逐渐积聚,并可能引起火灾或导致伤害。

背面

NSR-1200/1100



NSR-1050H



1 风扇

注意不要阻塞风扇格栅。如果阻塞格栅,则热量会 在设备内部逐渐积聚,导致伤害和/或火灾。

2 电源开关

要打开设备,请按下位置 🖰 上的开关。

3 RS-232C 接口

本接口用于控制模拟摄像头。 本接口不可与 RS-422/485 接口 (报警器输出接口 6) 上最右边的四个引脚) 同时使用。

4 UPS 接口 (RS-232C)

本接口用于连接不间断电源 (UPS) 的控制线。

5 传感器输入接口

本接口用于连接传感器输入线。 有关传感器输入连接的详细信息和布线图,请参阅 "I/O 端口"(第 323 页)。

6 报警器输出接口

本接口用于连接报警器输出线。 有关报警器连接的详细信息和布线图,请参阅"I/O端口"(第 323 页)。

7 HDMI 监视器接口 (1 和 2)

这些接口用于连接支持 HDMI 输入的监视器。 HDMI 监视器接口 1 与 12 监视器接口 1 (以及位于设备正面的监视器接口 1)不可同时使用,而 HDMI 监视器接口 2 与 12 监视器接口 2 也不能同时使用。

8 音频输入接口

本接口用于从外部音频设备 (例如麦克风)输入音频。

支持插入式功率麦克风。

9 微型 SAS 输出接口

本接口用于连接微型 SAS 电缆,该电缆用于连接 NSRE-S200。

NSRE-S200 是可选的扩展存储设备。

10 USB接口

本接口用于将 USB 键盘、鼠标、 USB 闪存或系统控制器 (RM-NS1000)连接到 NSR。

[1] LAN 接口(1 至 4)

这些接口用于连接 10 Base-T、 100 Base-T 或 1000 Base-T 网络电缆。

LAN1: 网络摄像头 ¹⁾

LAN2: 网络摄像头 $^{1)}$ (只有在从 LAN1 使用不同

分段时,才能使用 LAN2。)

1) 通过"服务器配置"界面中的[远程客户端的网络接口]设置,将远程客户端连接到指定网络。有关详细信息,请参阅用户指南(PDF)。

LAN3:用于 iSCSI 存储²⁾ LAN4:用于 iSCSI 存储²⁾

2) 有关使用 iSCSI 存储的详细信息,请联系您的 Sony 经销商。

警告

请勿将 LAN 接口 1 至 3 配置到同一网络段。

12 监视器接口 (1 和 2)

这些接口用于连接监视器。

监视器接口1(以及位于设备正面的监视器接口1)与 **7**HDMI 监视器接口1不可同时使用,而监视器接口2与 **7**HDMI 监视器接口2也不能同时使用。

[13] 音频输出接口 (L和R)

这些接口用于将音频输出到外部音频设备。

|14|| 电源接口

15 模拟摄像头电缆输入接口

NSR-1050H 的标准配置里有本接口, 但是 NSR-1200/1100 需要 NSBK-A16/A16H (可选) 扩展。

安装参考数据

电流消耗和浪涌电流

型号	交流输入电压	满负荷	涌入电流
NSR-1200	100 V	2.66 A	
NSK-1200	220 V	1.14 A	
NSR-1100	100 V	1.84 A	
NSK-1100	220 V	0.79 A	
NSR-1050H	100 V	1.75 A	— 13 A
NSK-1050H	220 V	0.76 A	
NSRE-S200	100 V	0.79 A	
NSKE-5200	220 V	0.34 A	

记录数据的存储容量

通过单击 NSR-1000 系列登录界面上的 [信息],并查看出现的信息界面,可确认配置以及 NSR-1200/1100/1050H 和可选扩展存储设备的硬盘驱动器容量¹⁾。还能在服务器界面的 [存储]选项卡中确认可用于记录数据的实际存储容量²⁾。

- 1) 硬盘驱动器的容量是基于以下方程得到的近似值,以 1 GB 为例: 1,000 × 1,000 × 1,000 = 1,000,000,000 字 节
- 2) 存储容量是基于以下方程得到的近似值,以 1 GB 为例:1,024 × 1,024 × 1,024 = 1,073,740,000 字节

摄像头数目

摄像头最大数目

型号	摄像头最大数目
NSR-1200	64
NSR-1100	32
NSR-1050H	20

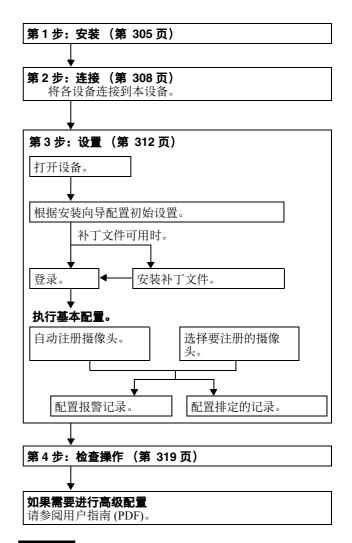
模拟摄像头最大数目 (包括在摄像头总数内)

型号	模拟摄像头最大数目
NSR-1200	16 (使用可选的 NSBK-A16/A16H)
NSR-1100	16 (使用可选的 NSBK-A16/A16H)
NSR-1050H	16

音频通道最大数目

型号	音频通道最大数目	
NSR-1200	64	
NSR-1100	32	
NSR-1050H	20	

准备步骤



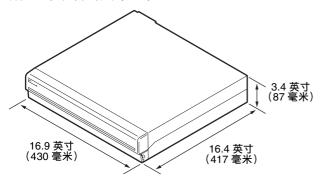
警告

由于新增了多个 NSR 兼容摄像头和功能, Sony 发 布了补丁文件。请联系您的 Sony 经销商。有关详 细信息,请参阅"安装补丁文件"(第 320 页)。

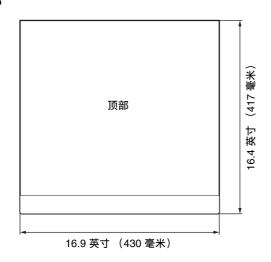
第1步:安装

开始安装之前,请确保安装位置有充足空间且具有 足够强度以支撑设备。

NSR-1200 约重 13.5 kg(29.8 磅)、NSR-1100 约重 12 kg(26.7 磅)而 NSR-1050H 约重 11.5 kg(25.4 磅)。本设备的尺寸如下。



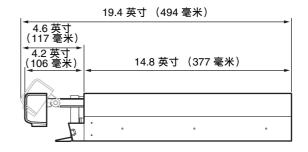
顶部

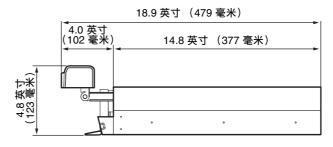


前挡板合起时

16.4 英寸(417 毫米)
1.6 英寸(40 毫米) 14.8 英寸(377 毫米)

前挡板开启时

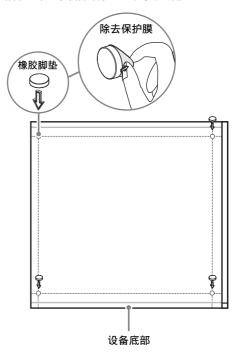




可使用可选的机架安装套件将设备安装在机架上。

无机架安装

将附送的橡胶脚垫粘贴在记录仪上。 将记录仪竖起,露出下表面。如下图所示,将橡胶 脚垫有粘性的一面粘贴在记录仪底部。



机架安装

使用可选的机架安装套件(单独出售)在机架上安装 NSR。

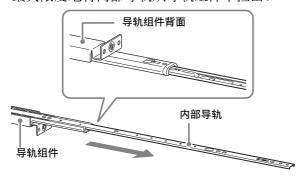
警告

- 切勿将可选的安装套件(单独出售)以外的机架 安装套件用于 NSR,因为这样做很危险,并且可 能导致火灾、震动或受伤。
- 如果要在机架上安装 NSR,则千万不要在其上放置重物。
- 在机架上安装 NSR 之前,我们建议您用毡尖笔在 机架上标出预期位置。如果 NSR 未能水平安装在 机架上,则可能导致故障。
- 要订购机架安装套件,请联系零售商。

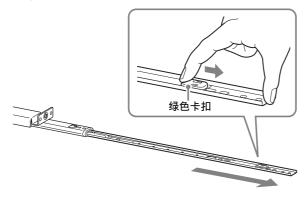
拉出内部导轨

从导轨组件中拉出内部导轨。

1 最大限度地将内部导轨从导轨组件中拉出。



2 翻转导轨组件。一边向外拉动绿色卡扣打开锁,一边向外拉动内导轨。



3 对其他导轨组件重复同样的操作,拉出所有内导轨。

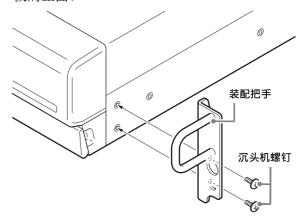
注

内导轨安装在 NSR 上,而导轨组件安装在机架上。

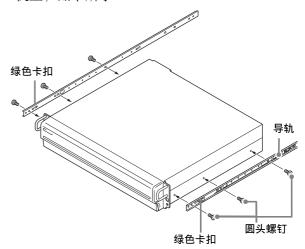
准备 NSR 主机

使用随附的紧固件和螺钉将内导轨安装在 NSR 主机上。

1 使用随附的沉头机螺钉将装配把手安装在侧面 板的正面。



2 使用剩余的随附圆头螺钉将导轨安装在 NSR 主机上,如下所示。



注意

使用非随附的螺钉可能导致设备损坏。请务必 使用随附的螺钉来安装导轨。

准备机架

将导轨安装在机架上。

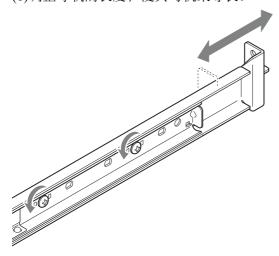
1 确定要将导轨安装在机架的什么位置。 我们建议您用标记或毡尖笔标出该位置。

注意

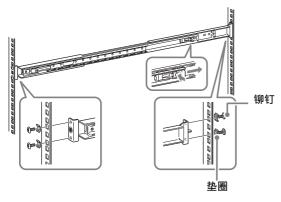
如果导轨安装的高度不同,会导致 NSR 主机不能正常工作。

2 将导轨安装在机架上。

(1)调整导轨的长度, 使其与机架等长。



(2)使用随附的铆钉和垫圈将导轨的两端固定在机架上。



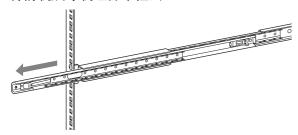
将 NSR 主机安装在机架上

将 NSR 插入机架, 然后固定。

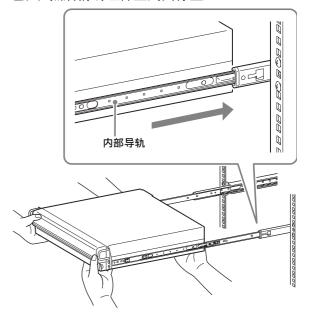
注意

至少需要两人拿住设备,以免造成人身伤害。

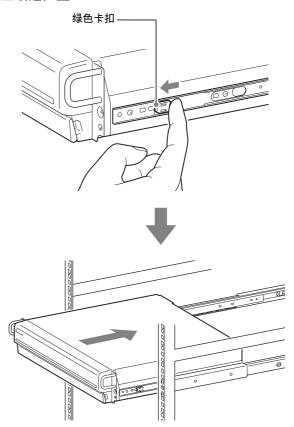
1 将滑轨从导轨组件中拉出。



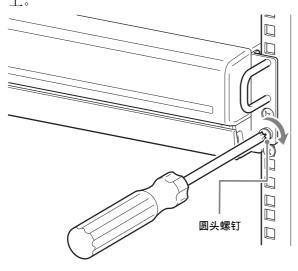
2 抬起 NSR 主机,将内部导轨装入滑轨凹槽(白色),然后滑动组件直到其停止。



3 一边拉动绿色卡扣打开锁,一边将 NSR 主机滑至最远位置。



4 使用随附的圆头螺钉将 NSR 主机固定在机架



安装可选配件

请参阅 NSRE-S200 系列的 "安装手册",安装 NSRE-S200。有关 NSBK-A16/A16H 扩展的详细信息,请联系您的 Sony 经销商。

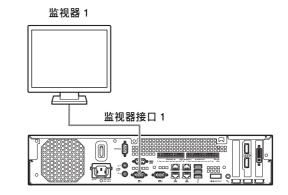
第2步:连接

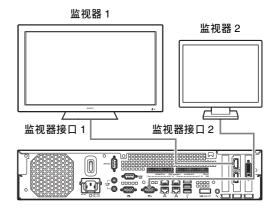
将各设备连接到本设备。

连接监视器

连接第一台监视器时,可将其连接到模拟 RGB 监视器接口 1 或 HDMI 监视器接口 1。连接第二台监视器时,可将其连接到模拟 RGB 监视器接口 2 或 HDMI 监视器接口 2。有关详细信息,请参阅"监视器连接示例"(第 320 页)。

示例: 连接到背面的监视器接口时





操作设备时推荐使用的接口

	监视器	要使用的接	П		
		HDMI 监视 器接口 1	HDMI 监视 器接口 2	模拟 RGB 监视器接 口 1	模拟 RGB 监视器接 口 2
一台监 视器	HDMI 监视 器	0	-	_	_
	模拟 RGB 监 视器	-	-	0	-
两台监 视器	HDMI 监视 器×2	0	0	-	-
	模拟 RGB 监 视器×2	-	-	0	0
	HDMI 监视 器和模拟 RGB 监视器	0	_	_	0
		_	0	0	_

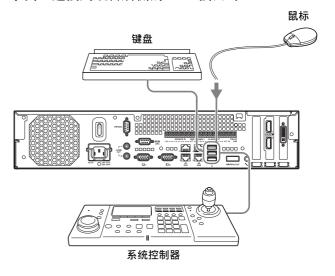
注意

- 有三个监视器接口被标记为 "1" (模拟 RGB∞.:
- 在监视器与设备正面和背面的模拟 RGB 监视器接口 1 连接时,请勿打开设备。
- 当仅使用一台模拟 RGB 监视器操作设备时,请勿 在设备打开时将监视器连接到位于设备正面的模 拟 RGB 监视器接口 1 上。
- 当连接两台模拟 RGB 监视器时,请勿使用 HDMI 监视器接口。
- 使用 HDMI 监视器时,请务必连接 HDMI 监视器, 并在打开设备前先将其打开。
- 将 HDMI 监视器连接到 HDMI 监视器接口 2 时, 重新启动界面和关机界面只会出现在监视器 2 上。
- 使用位于设备正面的模拟 RGB 监视器接口 1 时,请勿将监视器连接至 HDMI 监视器接口 1。
- 如果通过监视器开关来连接监视器,则可能无法 一直显示图像。我们建议将监视器直接连接到设备。

连接键盘、鼠标和系统控制器

将设备连接到设备前后两侧的 USB 接口。

示例:连接到设备后侧的 USB 接口时

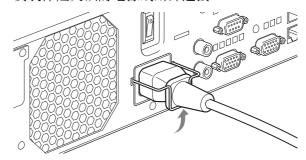


注意

- 本设备支持CH Products的RM-NS1000系统控制器和 IP 桌面 USB 控制器。不支持其他远程控制
- 使用USB设备前,请务必阅读"使用方面的注意事项"章节中的 "使用 USB 设备的注意事项" (第 297 页)。

连接电源线

将电源线连接到电源接口。安装保险夹以防电源线断开连接。

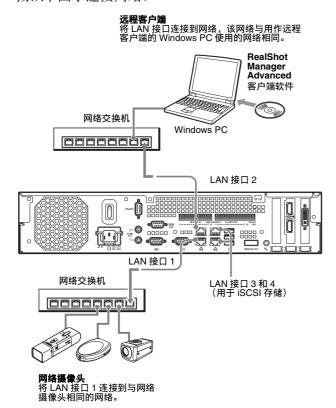


警告

- 安装之前,请参阅"安装方面的重要说明" (第 296 页)。将本设备与多个 NSR 设备或一个 可选的 NSRE-S200 一起使用时,请确保提供充足 的电源。
- 有关NSR-1200/1100/1050H和NSRE-S200的电流消耗和浪涌电流的详细信息,请参阅"安装参考数据"(第 303 页)。

连接网络

按以下图示连接网络。



连接远程客户端

需要远程客户端时,请使用本设备随附的 RealShot Manager Advanced 客户端软件。

- 使用本设备随附的 RealShot Manager Advanced 版本。有关如何下载 RealShot Manager Advanced 安装程序的详细信息,请参阅 "下载 NSR 上保存的文件"(第 299 页)。
 - 有关安装和连接 NSR 的详细信息,请参阅 RealShot Manager Advanced 安装指南 (PDF)。
- 请在 Windows 计算机上操作 RealShot Manager Advanced 客户端软件。有关推荐系统规格的详细信息,请参阅包含在 RealShot Manager Advanced 客户端软件的安装文件中的版本说明。
- 将 RealShot Manager Advanced 用作 NSR 的远程控制器时,请在 RealShot Manager Advanced 安装过程中选择 [Client]。
- 要连接到用户区域网络时,请使用 LAN 接口 2。
- 有关在使用 RealShot Manager Advanced 客户端软件时 NSR 设置的详细信息,请参阅 "使用RealShot Manager Advanced 客户端软件时的配置"(第 318 页)。

LAN接口3和4(用于iSCSI存储)

为了网络冗余, LAN 接口 3 和 4 是共用通道的, 仅可为这两个接口分配一个 IP 地址。

警告

请勿将 iSCSI 存储与 NSRE-S200 结合使用。

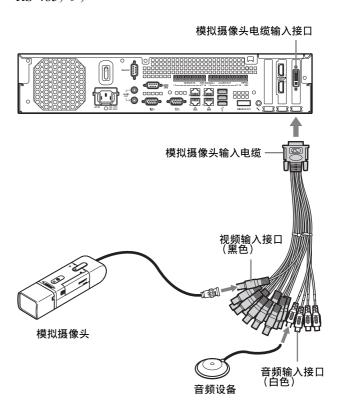
注意

- 本设备的默认 IP 地址如下。
 - LAN 接口 1: 192.168.0.1
- LAN 接口 2: 192.168.1.1
- LAN 接口 3: 192.168.2.1
- LAN接口 4: 192.168.2.1
- 如果要更改默认 IP 地址, 请参阅用户指南 (PDF)。

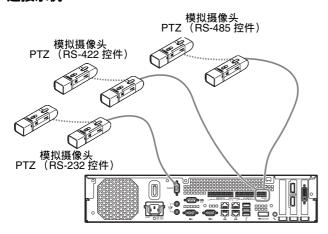
连接模拟摄像头

请使用随附的模拟摄像头输入电缆连接模拟摄像头。

要控制摄像头的摇摄、倾斜和变焦操作,请将摄像头控制电缆连接到 RS-232C 接口或 RS-422/485 接口 (报警器输出接口上最右边的四个引脚)。(每次只能使用其中一个接口 (RS-232C、 RS-422、 RS-485)。)



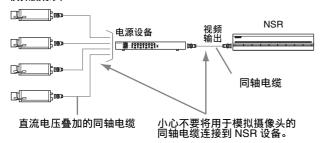
连接示例



警告

如果使用在视频同轴电缆上加直流电压的摄像头和电源设备,则在对同轴电缆布线时请特别小心。如果将加有直流电压的摄像头电缆连接到 NSR,则可能产生故障。

模拟摄像头



注意

- NSR-1050H 的标准配置里有模拟摄像头电缆输入 接口,但是 NSR-1200/1100 需要 NSBK-A16/ A16H(可选)扩展。
- 使用摇摄、倾斜和变焦操作时,必须配置一个唯一的控制编号。有关配置控制编号的详细信息,请参阅模拟摄像头的操作说明。
- 有关 RS-422/485 接口引脚分配的详细信息,请参参阅"I/O端口的插针分配"(第 323 页)。

连接 NSRE-S200

使用可选 NSRE-S200 随附的微型 SAS 电缆将 NSR-1200/1100/1050H 连接到 NSRE-S200,如下所示。

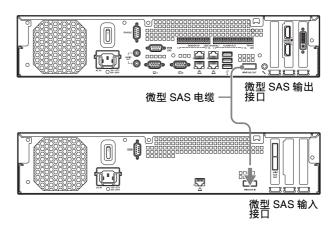
最多可将七台 NSRE-S200 设备连接到 NSR-1200/1100/1050H。

有关连接配置的详细信息,请参阅"NSRE-S200连接示例"(第 321 页)。

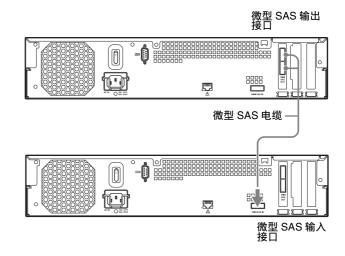
注意

请确保在接通电源之前连接 NSR-1200/1100/1050H 和 NSRE-S200。

将 NSR-1200/1100/1050H 连接到 NSRE-S200



连接两台 NSRE-S200 设备



数生

- 请勿将 NSRE-S200 与 iSCSI 存储结合使用。
- 请务必稳固连接微型 SAS 电缆,否则会断开连接。如果微型 SAS 电缆在设备操作过程中断开连接,则可能会出现记录错误。在连接或断开连接微型 SAS 电缆前,请始终关闭设备。

连接其他设备

连接传感器输入和报警器输出

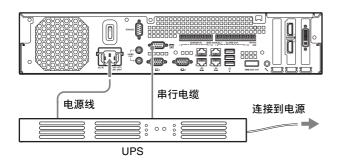
请将电线连接到传感器输入接口和报警器输出接口。

有关详细信息、请参阅"I/O端口"(第 323 页)。

连接不间断电源 (UPS)

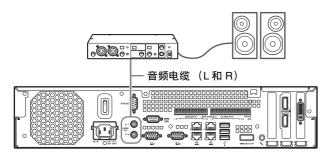
- **1** 将 UPS 连接到电源插座。
- 2 请使用随附的电源线将 NSR 连接到 UPS。

3 用专用的串行电缆将与 NSR 连接的 UPS 连接到 NSR 后侧的串行接口。



连接音频输出设备

将音频输出设备连接到音频输出接口 (L和R)。



第3步:设置

本部分提供有关如何打开设备的信息,并对如何注册摄像头和其他设备进行概要说明。

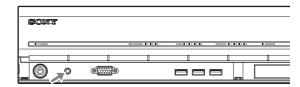
打开设备

按下设备前侧或后侧的电源开关可打开设备。当连接可选的 NSRE-S200 时,请等到 NSRE-S200 打开后再打开本设备。有关浪涌电流的详细信息,请参阅"安装参考数据"(第 303 页)。

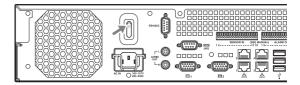
警告

配置系统(包含多台 NSR 设备或一台 NSRE-S200 设备)电源连接时,应考虑到涌入电流。

前侧电源开关



后侧电源开关



设备开启后,位于前面板上的电源 LED 亮起绿色。

首次打开设备时,安装向导会自动启动。 继续执行下一部分"根据安装向导配置初始设置"。

注意

- 打开设备后,风扇可能会持续2 秒发出较大噪音。这不属于故障。
- 如果通过系统操作将设备关闭,可按下前面板上的电源按钮或后面板上的电源开关打开设备。
- 如果之前发生强制关机,则需要较长时间才可启动设备。

关闭设备

登录 NSR 后,单击"主"界面上方的 ,在出现的菜单中选择 [关机]。

注意

正常情况下,设备将于几分钟后关闭。如果设备在几分钟后仍未关闭,可通过按住设备后面板上的电源开关(①位置处)至少5秒钟来强行关闭设备。

根据安装向导配置初始设置

本部分说明安装向导的一般流程。有关设置的详细信息,请参阅用户指南 (PDF) 的 "使用设置菜单更改初始设置"。

首次打开设备时,安装向导会自动启动。然后,您 可以通过访问登录界面、管理菜单以及设置菜单配 置相同的设置。

有关详细信息,请参阅"从登录界面访问设置菜单"(第 316 页)。

注意

本手册中, 出现在界面上的某些显示为英文的项目 以简体中文写入。

打开设备时, 安装向导会在出现以下界面后启动。



单击 [Next]。



仔细阅读用户许可协议并单击 [Accept], 然后单击 [Next]。



选择显示语言,然后单击[Next]。



选择键盘语言,然后单击[下一步]。

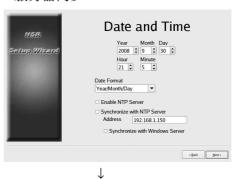


选择时区, 然后单击[下一步]。



设置日期和时间,然后单击[下一步]。

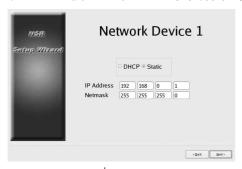
- 选中 [Enable NTP Server] 复选框后,设备将充当 NTP 服务器,以同步日期和时间。
- 选中 [Synchronize with NTP Server] 复选框后,即可同步不同 NTP 服务器的日期和时间。
- 如果日期和时间无法与用作 NTP 服务器的 Windows 服务器同步,可选中 [Synchronize with Windows Server] 复选框,强行与 Windows NTP 服务器同步。



设置每个服务器的 IP 地址, 然后单击[下一步]。



设置 LAN 接口 1 的 IP 地址, 然后单击 [下一步]。



设置 LAN 接口 2 的 IP 地址, 然后单击 [下一步]。



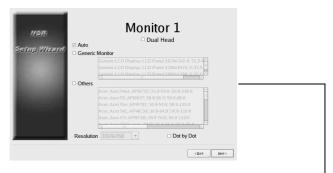
设置 LAN 接口 3 的 IP 地址, 然后单击 [下一步]。



配置监视器1的设置,然后单击[下一步]。

求"(第 298 页)。

- 如果选择 [Auto],系统会自动检测和配置所连接 监视器的类型及其分辨率。
 有关所支持分辨率的详细信息,请参阅"系统要
- 将两个监视器连接至设备时,请选中 [Dual Head] 复选框。



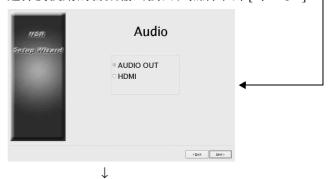
注意

连接 HDMI 监视器后,即使将监视器分辨率和图像数据分辨率调整为一致,也可能会压缩图像以适合界面,且文本可能会显示模糊 可以选中 [Dot By Dot] 复选框来提高图像质量,使图像数据的每个像素在监视器上显示为一个点,而无需进行扩展或压缩。此外,可能还需要配置监视器的设置。请参阅监视器的操作说明。

如果连接第二个监视器,请为监视器 2 配置设置。 配置好第二个监视器的设置后,请在保持其处于连 接状态时重新启动设备



选择要使用的音频输出接口,然后单击[下一步]。



为内部硬盘驱动器选择 RAID 类型, 然后单击 [下一步]。



注意

只有支持 RAID 级别修改的机型会出现该界面。

警告

如果更改 RAID 级别,在向导完成后会重组 RAID。RAID 重组可能需要数小时时间,具体取决于所选级别和容量。

配置内部硬盘驱动器的分区,然后单击[下一步]。 指定分区数,然后为每个分区指定所占总容量的百分比。



设置服务器名称,然后单击[下一步]。



配置模拟摄像头连接设置,然后单击[下一步]。

选择将连接到受控摄像头的串行接口标准,并配置 波特率和校验位等设置。

(仅当连接 NSR-1050H 或 NSBK-A16/A16H (可选) 时才会显示此界面。)



选择待连接模拟摄像头的视频格式,然后单击[下一步]。

(仅当连接 NSR-1050H 或 NSBK-A16/A16H (可 选) 时才会显示此界面。)



检查各项配置,然后单击[下一步]。



当界面出现重新启动确认信息时,单击[完成]。



设备随即重新启动。

出现登录界面。 继续执行下一部分 "登录。"

从登录界面访问设置菜单

① 単击 [管理菜单]。

SONY
Network
Surveillance Server

User Nam
Passavord
Logon

Change Password
Information



补丁文件可用时

可在 NSR 上安装 Sony 发布的补丁文件。

由于新增了多个 NSR 兼容摄像头和功能, Sony 发布了补丁文件。我们推荐用户安装补丁文件, 使用最新软件对 NSR 进行操作。

有关安装补丁文件的详细信息,请参阅"安装补丁文件"(第 320 页)。

登录

输入用户名和密码, 然后单击[登录]。

默认用户名: admin 默认密码: admin



登录成功后,会出现"自动注册摄像头"对话框。 继续执行下一部分"执行基本配置。"

执行基本配置

本部分描述如何注册和配置自动检测到的设备的报警记录。有关如何一次性注册所有自动检测到的设备的详细信息,请参阅"初次操作指南"(独立文档)。

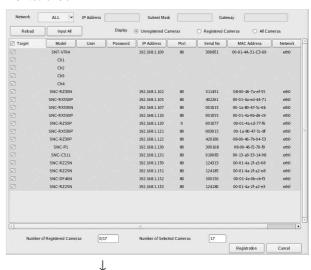
注册摄像头

选择[打开多个摄像头注册窗口],然后单击[确定]。

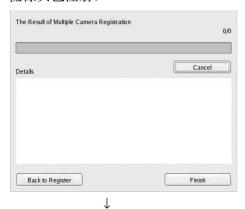


自动检测到位于同一网络段的设备。

选中要注册摄像头的复选框,然后单击[注册]。 有关设置的详细信息,请参阅用户指南(PDF)的 "注册设备"。



摄像头已注册。



配置报警记录

选择[自动报警记录], 然后单击[下一步]。



此时将出现消息。 单击[下一步]。



检查各项配置,然后单击[完成]。



报警记录启动。 配置完成后会出现"主"界面。



执行基本配置后,每种设置的值将如下所示。

设置	排定的记录	报警记录
图像尺寸	摄像头支持最大图像 尺寸。 ¹⁾	取决于[视频]选项 卡内配置的"报警/ 事件记录"设置。
编解码器	取决于[视频]选项 卡内配置的"计划 记录"设置。	取决于[视频]选项 卡内配置的"报警/ 事件记录"设置。
帧率	取决于所记录数据的 存储时间。 ¹⁾	取决于[视频]选项 卡内配置的"报警/ 事件记录"设置。
质量	50% ¹⁾ 级别 3(具有 5 级 设置的摄像头) 级别 5(具有 10 级设置的摄像 头)	取决于[视频]选项 卡内配置的"报警/ 事件记录"设置。
比特率	取决于所记录数据的 存储时间。 ¹⁾	取决于[视频]选项 卡内配置的"报警/ 事件记录"设置。
记录触发器	-	VMD(摄像头) 如果不支持摄像机, 则为 VMD(记录 器)。 JPEG:标准模式 MPEG4, H.264: 高性能模式
数据存储位 置	不改变现有设置。 ²⁾	不改变现有设置。 ²⁾
音频	取决于[音频]选项 卡中配置的设置。	取决于[音频]选项 卡中配置的设置。
数据改写	不改变现有设置。	不改变现有设置。
清理	删除超过存储时间的 数据。	不改变现有设置。

- 1) 视摄像机型号而定,可能会使用[视频]选项卡中为"计划记录"设置配置的值。 2) 如果用户尚未配置摄像头的存储位置设置,则系统会根据设备内部硬盘上第一个分区的容量来计算其它存储位置设置。如果用户已配置存储位置设置,则系统会使用每个存储位置所在分区的容量来计算其它存储位置设置。

警告

- 如果用户在执行"自动记录"时,计划记录和报警记录的设置已经存在,则自动配置会替换之前的设置。
- 更改摄像头存储位置后,相关设置不会自动更改。可以再次执行基本配置来重新计算设置。

要求单独配置的设置

在以下情况中,要求进行详细配置。

存储位置设置

在基本配置设置时,数据存储在设备内部硬盘的第 一个分区中。

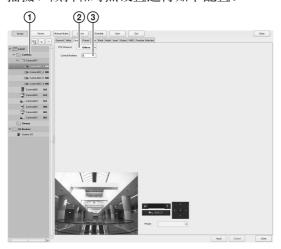
有关向可选 NSRE-S200 设备或其它分区记录数据 的详细信息,请参阅 "用户指南" (PDF)。

构建包括多个 NSR 设备或 RealShot Manager 高级服务器的系统时

配置多个服务器时,需要进行单独配置。有关详细信息,请参阅用户指南 (PDF)。

模拟摄像头的摇摄、倾斜和对焦设置

从设备配置的 [控制] 选项卡中,对模拟摄像头的摇摄、倾斜和对焦设置进行如下配置。



- ① 选择模拟摄像头。
- ② 根据模拟摄像头的设置选择协议。
- ③ 输入所选模拟摄像头上配置的控制编号。

注意

要配置这些设置,您必须事先在安装向导的 "Serial Port"设置中配置传输模式。

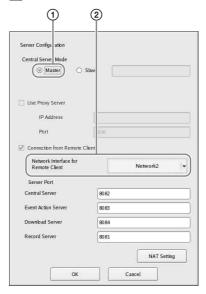
摄像头的音频设置

在基本配置设置时, 音频处于禁用状态。有关启用音频的详细信息, 请参阅用户指南 (PDF)。

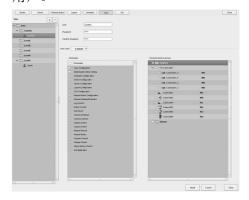
使用 RealShot Manager Advanced 客户端软件时的配置

在将用作主服务器的 NSR 设备上配置以下设置。 有关设置的详细信息,请参阅用户指南 (PDF)。

1 在管理菜单的服务器配置界面中配置以下设置。



- ① 在[中央服务器模式]下选择[主服务器]。
- ② 在[从远程客户端连接]下的[用于远程客户端连接的网络接口]中选择用于连接的网络接口。
- **2** 在主服务器中创建用户。 在用户配置界面中单击 (添加),创建一个 用户。



第 4 步: 检查操作

完成基本配置后,请确保摄像头图像显示在"主" 界面中并检查其他类似操作。



- ① 更改版式并显示已注册摄像头中的图像。 从摄像头面板中将一个摄像头拖放至监视器 框,以显示该摄像头中的图像。
- ② 单击监视器框将其激活 (浅蓝色框),并通过 摄像头控制面板的[控制]选项卡控制摇摄、 倾斜和对焦。
- ③ 用摄像头捕获运动对象,并确认发出报警。 如果已通过基本配置对报警记录进行了配置, 则监视器框周围会出现一个红框,且界面底部 的"报警历史"中会显示每个报警的记录。
- 有关操作各项功能的详细信息,请参阅监视窗口操作指南(独立文档)。
- ⑤ 单击 [PLAYBACK] 回放记录。 单击 [PLAYBACK] 时,将回放(快速回放) 之前配置时间的图像。 输入日期和时间并单击 [GO] 后,将回放记录 的图像。
- ⑥ 单击界面右下方的[错误]指示灯,确认是否发生错误。 如果在单击[错误]指示灯后出现系统日志,则可以通过查看日志来确认是否出现问题。

有关"主"界面操作的详细信息,请参阅监视窗口操作指南(独立文档)或用户指南 (PDF)。

警告

将 USB 设备连接至本设备时, "主"界面右下方的 [错误]指示灯可能会亮起。表示设备可能不支持 USB 设备。有关详细信息,请参阅"使用方面的注意事项"(第 296 页)或"故障排除"章节中的"连接至 USB 接口的外部设备不工作。"(第 324 页)。

使用 RealShot Manager Advanced 作为远程客户端时

执行以下操作以确认操作。

- **1** 登录 RealShot Manager Advanced。
 - 请在登录时指定服务器。为端口指定在服务器上配置的中央服务器值。默认值为 "8082"。
 - 在[用户名]和[密码]中输入在服务器配置界面 (第 318 页) 中配置的用户名和密码。



- **2** 在 RealShot Manager Advanced 的主界面中,从设备所连接摄像头中的图像分配到监视器框。分配摄像头有两种方法。
 - 将连接到设备的摄像头从摄像头面板拖放至 监视器框。
 - 单击监视器框将其选中,然后在摄像头面板中双击摄像头。
- **3** 确认监视器框中显示了在第2步中选定摄像头的图像。

安装补丁文件

1 将补丁文件复制到 USB 存储设备或 CD/DVD。

警告

请勿更改补丁文件的文件名或其它方面。

2 在管理菜单中单击[安装补丁程序]。



出现安装补丁程序界面。

3 选择要用于存储补丁文件的媒体。



出现补丁文件名列表。

- **4** 确认补丁文件名, 然后单击 [确定]。 出现确认信息。
- 5 确认消息内容, 然后单击[是]。

警告

某些补丁文件安装完成后, NSR 将自动重启。如果需要重启,会出现确认界面。如果无法停止当前操作,请选择[否]取消安装,然后在可以顺利重启 NSR 时执行安装。

补丁文件安装期间将出现如下界面。



安装完成时,将应用补丁。

连接示例

监视器连接示例

本设备支持与多个监视器连接。请参阅以下连接示例。

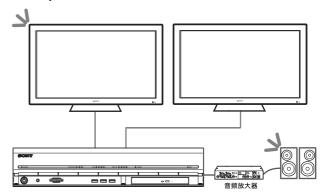
注意

您可以选择在安装向导或设置菜单的音频界面中输出 RCA 音频或 HDMI 音频。

警告

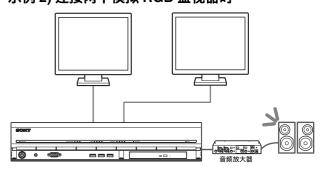
请务必连接监视器,并在打开设备前先打开监视器。

示例 1) 连接两个 HDMI 监视器时



▶:音频输出位置。

示例 2) 连接两个模拟 RGB 监视器时

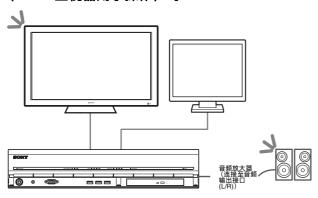


▶:音频输出位置。

注意

- 请勿将监视器连接至 HDMI 监视器接口 1 和 2。
- 请勿在打开设备后将监视器连接至设备正面的模拟 RGB 监视器接口 1。

示例 3) 连接 HDMI 监视器和模拟 RGB 监视器 (HDMI 监视器用于操作) 时

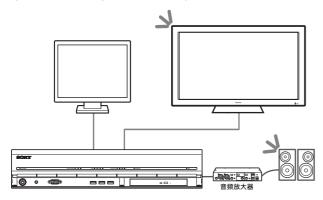


▶: 音频输出位置。

注意

使用 HDMI 监视器接口 1 和模拟 RGB 监视器接口 2 进行连接。

示例 4) 连接 HDMI 监视器和模拟 RGB 监视器 (模拟 RGB 监视器用于操作) 时



▶: 音频输出位置。

注意

使用模拟 RGB 监视器接口 1 和 HDMI 监视器接口 2 进行连接。

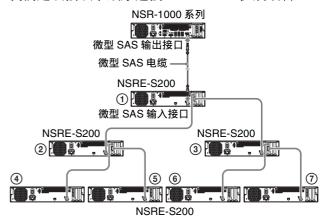
NSRE-S200 连接示例

在以下树形配置中,最多可将七个可选的 NSRE-S200 设备连接到 NSR-1200/1100/1050H。

注意

NSRE-S200 随附了用于连接的微型 SAS 电缆。请仅使用随附的电缆。

我们建议按以下顺序连接 NSRE-S200 扩展设备。



以下是设备连接到位置 1、3 和 6 时所显示的列表。请注意,音量 # 按分区的配置顺序进行显示。



其他信息

状态 LED

如果设备发生错误,设备前面板上的错误 LED 会根据错误状态而闪烁或亮起,而且状态 LED 也会亮起。

STATUS ■1 ■2 ■3 ■4 ■ ERROR

STATUS LED 指示以下错误状况。

启动阶段显示的错误代码

(启动阶段出现错误时,错误 LED 闪烁。)

错误 代码	状态 LED	错误 LED	可能的原因
1	1234	三 闪烁	电源故障
2	1234	- 闪烁	CPU 风扇故障
3	1234	三 闪烁	内存模块故障
4	1234	- 闪烁	CMOS 电池故障
5	1234	三 闪烁	视频随机存取存储器 (RAM) 或控制器故障
6	1234	三 闪烁	硬盘控制器出现故障
7	1234	三三河	未找到可启动设备
8	1234	三 闪烁	未找到可启动操作系统
9	1234	三三河	一个或多个硬盘出现故障
A	1234	三 闪烁	RAID OS 卷出现故障
В	1234	三三河	无法启动 X11 服务器
С	1234	三三河	无法启动应用程序
D	1234	三三河	保留以备后用
Е	1234	三三河	保留以备后用
F	1 2 3 4	三三河	RAID 数据卷出现故障

操作阶段显示的错误代码

(操作阶段出现错误时、错误 LED 亮起。)

(操作阶段出现错误时,错误 LED 亮起。)				
错误 代码	状态 LED	错误 LED	可能的原因	
1	1234	打开	内部设备温度问题	
2	1234	打开	CPU 风扇故障	
3	1234	打开	电源风扇故障	
4	1234	打开	电源故障	
5	1234	打开	硬盘风扇 1 故障	
6	1234	打开	硬盘风扇 2 故障	
7	1234	打开	硬盘受损	
8	1234	打开	保留以备后用	
9	1234	打开	保留以备后用	
A	1234	打开	保留以备后用	
В	1234	打开	操作系统出错	
С	1234	打开	应用程序运行失败	
D	1234	打开	"主"界面中的[错误] 指示灯亮起	
Е	1234	打开	RAID 数据卷出现故障	
F	1234	打开	RAID 数据量正在重组	

注意

■表示状态 LED 或错误 LED 亮起。

I/O 端口

I/O 端口的插针分配

传感器输入

插针编号	传感器输入
1	3.3 v
2	IN_8 -
3	IN_8 +
4	IN_7 -
5	IN_7 +
6	IN_6 -
7	IN_6 +
8	IN_5 -
9	IN_5 +
10	IN_4 -
11	IN_4 +
12	IN_3 -
13	IN_3 +
14	IN_2 -
15	IN_2 +
16	IN_1 -
17	IN_1 +
18	GND

Alarm Out

插针编号	警报输出
1	GND
2	OUT_8 -
3	OUT_8 +
4	OUT_7 -
5	OUT_7 +
6	OUT_6 -
7	OUT_6 +
8	OUT_5 -
9	OUT_5 +
10	OUT_4 -
11	OUT_4+
12	OUT_3 -
13	OUT_3 +
14	OUT_2 -
15	OUT_2 +
16	OUT_1 -
17	OUT_1 +
18	3.3 v

RS-422/485

插针编号	RS-422	RS-485
19	TX-	TX-
20	TX+	TX+
21	RX-	
22	RX+	

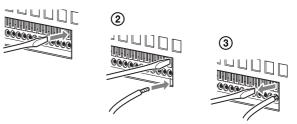
使用 I/O 插孔

将小一字螺丝刀插入要连接电线的孔的上部或下部插槽中(AWG编号: 28至18)。按住螺丝刀并插入电线,然后松开螺丝刀。

注意

将螺丝刀插入插槽时请勿用力过大。否则,可能会造成损坏。



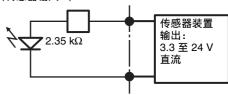


重复此步骤连接所有需要的电线。

传感器输入线路图 1

设备内部外部

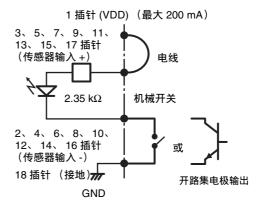
3、5、7、9、11、13、15、17 插针 (传感器输入 +)



2、4、6、8、10、12、14、16 插针 (传感器输入 -)

传感器输入线路图 2

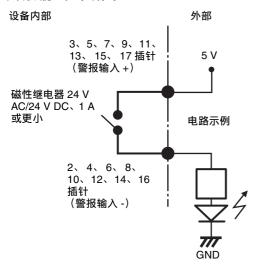
设备内部外部



注意

使用线路图 2 时, NSR 未被电绝缘, 因此务必建立 不会产生噪音、过电压或过电流的外部电路。

警报输出线路图



故障排除

请在联系您的零售商或 Sony 支持中心前先检查以 下项目。如果问题仍然存在,请联系他们。

NSR 不工作。

- 检查电源是否打开。
- 检查电源电缆是否连接正确。
- 确保电源插座已通电。将插头插入另一个设备进 行测试。
- · 确认未访问硬盘驱动器 (记录器正面的 HDD LED 未闪烁), 然后按住设备后面板上的电源开 关约 10 秒钟以强行将其关闭。重新启动 NSR。
- 在启动过程中, NSR 会对文件系统进行检查。检 查所需时间视 NSR 上的数据量而定 (在某些极 端情况下,检查可能会耗时长达2小时)。文件 系统检查期间,记录器正面的 HDD LED 会闪
- 如果 NSR 未正确启动,可能会出现以下界面。

 - 1. HDD Restore
 2. DOM Restore
 3. Software Restore
 4. Reset Monitor Setting
 5. Initialize (Factory Use)
 6. Reboot the system
 7. Shutdown the system

Enter your choice: [

在这种情况下,请执行以下操作。

- 选择 "7. Shutdown the system,", 然后按 Enter键。
- 请参阅"无法访问硬盘驱动器。", 检查 是否正确连接 NSR 硬盘。
- 重新启动 NSR, 检查其是否启动。

监视器仍无反应。

- 检查 NSR 是否已启动。
- 检查电源线是否连接正确。
- 检查监视器电缆是否连接正确。确认监视器已连 接至监视器接口1。
- 如果所配置的分辨率高于监视器的分辨率, 当监 视器分辨率远低于监视器输出的分辨率时, 可能 出现 "Out of range"消息。根据需要按下 CTRL+ALT+MINUS SIGN 多次,以降低输出视 频的分辨率。当输出图像分辨率达到监视器分辨 率时,图像将出现。接着,请重新配置监视器分 辨率。有关详细信息,请参阅用户指南 (PDF)。

连接至 HDMI 接口的监视器显示不正确。

- · 如果您切换HDMI监视器的输入或重新连接电缆, 在某些情况下,图像可能显示不正确。此时,请 尝试以下操作。
 - 1. 切换监视器的输入
 - 重新启动监视器。

注意

如果执行上述操作后问题仍然存在,请断开 HDMI 电缆并继续使用模拟 RGB 监视器。当可以停止操 作时,请重新启动设备并尝试重新连接 HDMI 监视 器。

新的外部硬件无法正常工作。

• 请确保新的外部设备的电缆已连接牢固, 引脚没 有弯曲。

连接至 USB 接口的外部设备不工作。

- 将 USB 设备连接至本设备时,"主"界面右下方 的[错误]指示灯可能会亮起。执行以下操作以 确认设备是否支持 USB 设备。
 - 1. 单击 [错误]指示灯。 出现系统日志。
 - 确认系统日志中是否出现 "不支持的 USB 设备"错误。 如果出现 "不支持的 USB 设备",则表示 设备不支持 USB 设备。
- 本设备支持标准的 USB 2.0 大容量存储设备。但 是,向设备写入数据时可能出错,这取决于 USB2.0 大容量存储设备的类型。如果写入数据时 出错,则请换用不同类型的 USB 存储设备。
- 为了确保正确操作 USB 设备, 请勿通过 USB 集线 器连接设备。请将设备直接连接到本设备上的 USB 接口。如果通过 USB 集线器、 USB 开关或 延长电缆连接设备,则无法保证能够正常操作。
- 请参阅 USB 设备随附的文档。

系统无法读取 DVD/CD 信息。

- 请确保使用了正确的光盘。
- · 确保将 DVD/CD 正确插入驱动器。
- 检查 DVD/CD 是否干净且没有刮伤。

DVD/CD 托盘无法弹出。

- 确保 NSR 已打开。
- 将笔尖或回形针尖端缓慢插入 DVD/CD 驱动器上的弹出孔中。将托盘从驱动器中拉出,然后取出 光盘。

NETWORK LED 未亮起。

• 检查电缆和网络设备是否正确连接。

无法访问硬盘驱动器。

- 确保已正确插入硬盘驱动器。
- 检查系统前面板上的 HDD LED。通过读取驱动器 LED 来确定出现故障的硬盘驱动器。如果 HDD 出现故障,其 LED 会发出黄光。
- 由于在频繁访问硬盘驱动器时HDD LED 会快速闪烁,因此在明亮环境中 HDD LED 可能显示未亮起。

无法从远程客户端访问 NSR。

- 确保 NSR 操作正确(硬盘驱动器、网络、软件或 其他项目不应有任何异常)。
- 确保设备的中央服务器设置正确。
- 确保设备的远程客户端和网络接口设置正确。
- 确保在 RealShot Manager Advanced 中设置的用户 名、密码和连接端口(IP 地址或主机名,以及端 口号)正确。
- 有关 RealShot Manager Advanced 的详细信息,请 参阅用户指南的故障排除部分。

NSR 升温过快

确保设备前后及侧面上的通风口没有堵塞,且内部没有堆积灰尘。

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Version 2.1, February 1999

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<signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice

That's all there is to it!

规格

NSR-1200/1100/1050H

处理器

CPU NSR-1200: Quad Core Xeon

NSR-1100: Dual Core Xeon

NSR-1050H: Dual Core Xeon

内存

板载闪存 4 GB

内存 NSR-1200: 2 GB

> NSR-1100: 1 GB NSR-1050H: 1 GB

记录设备

内部硬盘驱动器

DVD/CD 驱动器 (正面)

1驱动器

兼容媒体: DVD+R、 DVD-R、

DVD-ROM, CD-R, CD-

RW、CD-ROM

外部接口

正面 监视器输出:

模拟 RGB (微型 D-SUB 15

针) (1)

USB: USB 2.0 (3)

后部 监视器输出:

模拟 RGB (微型 D-SUB 15

针) (2)

HDMI (2)

音频输出(L)(1)

音频输出 (R) (1)

音频输入(1)

LAN (1000Base-T/100Base-TX/

10Base-T) (RJ-45) (4)

USB: USB 2.0 (3)

微型 SAS 输出 (适用于可选的

NSRE-S200 连接, 微型 SAS×

4 (SFF-8088), 3.0 Gbit/s) (1) 传感器输入 (兼容 3.3 V 至 24 V

DC 设备, 光耦合器输入, 与

主设备绝缘) (8)

报警输出 (最大 24 V DC, 1 A,

机械继电器输出,与主设备绝

缘) (8)

UPS 串行: RS-232C(1)

模拟摄像头控制 (只能与 NSR-

1050H 或 NSBK-A16/A16H 扩

展一同使用):

RS-232C(1)

RS-422/485 (1)

操作环境

操作温度 5℃至40℃ (41℉至104℉) 工作湿度 20% 至 80% (最大湿球温度:

30℃, 不冷凝)

-20 到 +60 ℃ (-4 到 +140 ℉) 贮藏温度范围 贮藏湿度范围

20 到 90% 相对湿度 (最大湿球 温度为 40 ℃/104 ℉, 无结露)

电源及杂项

电源 100 至 127 V AC/200 至 240 V AC

(50/60 Hz)

功耗 最大 350 W

430×87×417 (W/H/D, 不包括 尺寸

凸出部分)

质量 NSR-1200:约 13.5 kg (29.8 lb.)

NSR-1100:约 12 kg (26.7 lb.)

NSR-1050H:约11.5 kg (25.4 lb.)

可选配件

NSR-RM1 支架安装套件

RM-NS1000 系统控制器

NSBK-A16/A16H 模拟编码器套件

NSRE-S200 扩展存储单元

设计和规格如有更改, 恕不另行通知。

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